

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*

FORM APPROVED
OMB NO. 1040-0138
Expires: February 28, 1995

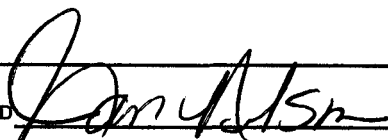
APPLICATION FOR PERMIT TO DRILL OR DEEPEN

TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. UTU-10164
TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME UTE TRIBE
2. NAME OF OPERATOR QUESTAR EXPLORATION & PRODUCTION, CO.		7. UNIT AGREEMENT NAME N/A
3. ADDRESS 1571 E 1700 S VERNAL, UT 84078		8. FARM OR LEASE NAME, WELL NO. FR 14P-20-14-20
Contact: Jan Nelson E-Mail: jan.nelson@questar.com		9. API NUMBER: 43-047-39168
Telephone number Phone 435-781-4032 Fax 435-781-4045		10. FIELD AND POOL, OR WILDCAT FEEDBACK Undersight
4. LOCATION OF WELL (Report location clearly and in accordance with and State requirements*) At Surface 611307Y 4381647Y 758' FSL 1838' FWL SECTION 20 T14S R20E SESW At proposed production zone 39-579646 -109-703946		11. SEC., T, R, M, OR BLK & SURVEY OR AREA SEC. 20, T14S, R20E Mer SLB
14. DISTANCE IN MILES FROM NEAREST TOWN OR POSTOFFICE* 53+/- MILES FROM OURAY, UTAH		12. COUNTY OR PARISH Uintah
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (also to nearest drig, unit line if any) 758' +/-		13. STATE UT
16. NO. OF ACRES IN LEASE 1760.00		17. NO. OF ACRES ASSIGNED TO THIS WELL 40
18. DISTANCE FROM PROPOSED location to nearest well, drilling, completed, applied for, on this lease, ft 2936' +/-		20. BLM/BIA Bond No. on file ESB000024
19. PROPOSED DEPTH 12,385'		23. Estimated duration 20 Days
21. ELEVATIONS (Show whether DF, RT, GR, ect.) 7378.3' GR		
22. DATE WORK WILL START ASAP		
24. Attachments		

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan
- A surface Use Plan (if location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification.
- Such other site specific information and/or plans as may be required by the authorized officer.

SIGNED



Name (printed/typed) Jan Nelson

DATE 3-23-07

TITLE

Regulatory Affairs

(This space for Federal or State office use)

PERMIT NO.

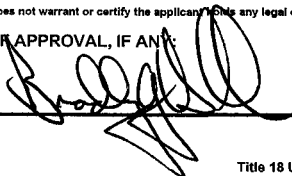
43-047-39168

APPROVAL DATE

Application approval does not warrant or certify the applicant holds any legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY



TITLE

BRADLEY G. HILL
ENVIRONMENTAL MANAGER

DATE 03-28-07

*See Instructions On Reverse Side

Title 18 U.S.C Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

RECEIVED

MAR 26 2007

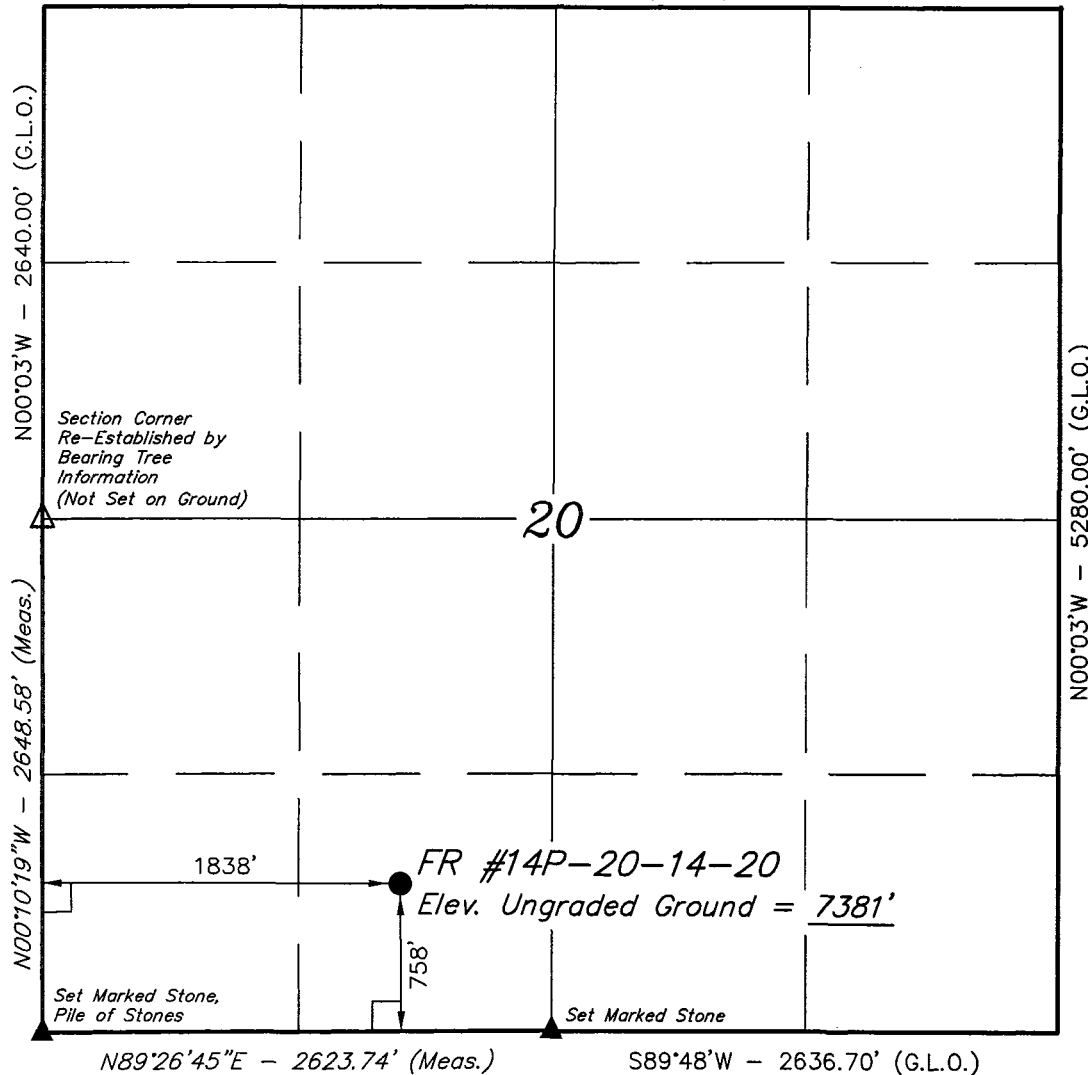
DIV. OF OIL, GAS & MINING

Federal Approval of this
Action is Necessary

CONFIDENTIAL

T14S, R20E, S.L.B.&M.

S89°48'W - 5270.76' (G.L.O.)



LEGEND:

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.
- △ = SECTION CORNERS RE-ESTABLISHED.
(Not Set on Ground)

(AUTONOMOUS NAD 83)
 LATITUDE = 39°34'46.78" (39.579661)
 LONGITUDE = 109°42'17.02" (109.704728)
 (AUTONOMOUS NAD 27)
 LATITUDE = 39°34'46.91" (39.579697)
 LONGITUDE = 109°42'14.53" (109.704036)

QUESTAR EXPLR. & PROD.

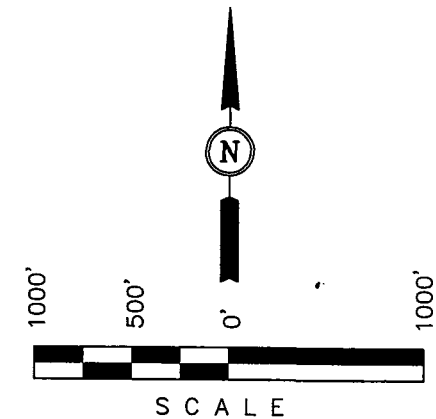
Well location, FR #14P-20-14-20, located as shown in the SE 1/4 SW 1/4 of Section 20, T14S, R20E, S.L.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

BENCH MARK (59 WF) LOCATED IN THE NW 1/4 OF SECTION 10, T15S, R20E, S.L.B.&M., TAKEN FROM THE FLAT ROCK MESA QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 7449 FEET.

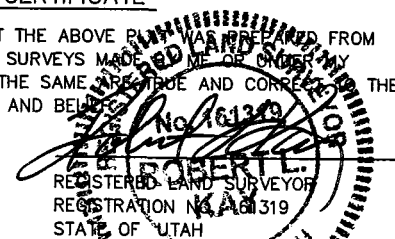
BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



UINTAH ENGINEERING & LAND SURVEYING
 85 SOUTH 200 EAST - VERNAL, UTAH 84078
 (435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 01-29-07	DATE DRAWN: 02-01-07
PARTY B.H. C.G. P.M.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE QUESTAR EXPLR. & PROD.	

Additional Operator Remarks

Questar Explor. & Prod. Co. proposes to drill a well to 12,385' to test the Wingate. If productive, casing will be run and the well completed. If dry, the well will be plugged and abandoned as per BLM and State of Utah requirements"

Please see Onshore Oil & Gas Order NO. 1

Please be advised that Questar Explor. & Prod. Co. agrees to be responsible under the terms and conditions of the lease for the operations conducted upon the lease lands.

Bond coverage for this well is provided by Bond No.ESB000024. The principal is Questar Explor. & Prod. Co. via surety as consent as provided for the 43 CFR 3104.2.

ONSHORE OIL & GAS ORDER NO. 1
QUESTAR EXPLORATION & PRODUCTION, CO.
FLAT ROCK 14P-20-14-20

ONSHORE OIL & GAS ORDER NO. 1
Approval of Operations on Onshore
Federal Oil and Gas Leases

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

1. Formation Tops

The estimated tops of important geologic markers are as follows:

Formation	TVD	MD	Prod. Phase Anticipated
Green River	Sfc	Sfc	
Wasatch	2182	2182	
Mesa Verde	4175	4175	Gas
Castlegate	6203	6203	
Mancos	6963	6963	
Dakota Silt	10,530	10,530	
Dakota	10,625	10,625	Gas
Cedar Mountain	10,705	10,705	
Morrison	10,915	10,915	
Curtis	11,470	11,470	
Entrada	11,550	11,550	Gas
Carmel	11,875	11,875	
Wingate	12,085	12,085	Gas
TD	12,385	12,385	

2. Anticipated Depths of Oil Gas Water and Other Mineral Bearing Zones

The estimated depths at which the top and bottom of the anticipated water, oil, gas. Or other mineral bearing formations are expected to be encountered are as follows:

Substance	Formation	TVD Depth	MD Depth
Gas	Mesa Verde	4,175'	4,175'
Gas	Dakota	10,625'	10,625'
Gas	Entrada	11,550'	11,550'
Gas	Wingate	12,085'	12,085'

ONSHORE OIL & GAS ORDER NO. 1
QUESTAR EXPLORATION & PRODUCTION, CO.
FLAT ROCK 14P-20-14-20

All fresh water and prospectively valuable minerals encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

All water shows and water-bearing sands will be reported to the BLM in Vernal, Utah. Copies of State of Utah form OGC-8-X are acceptable. If no flows are detected, samples will be submitted to the BLM along with any water analyses conducted. Fresh water will be obtained from Willow Creek water right #49-2183 / Permit# T75500.

All waste water resulting from drilling operations will be disposed of at RNI disposal pit located in NWNE Section 5, T9S, R22E.

3. Operator's Specification for Pressure Control Equipment:

- A. 5,000 psi W.P. Double Gate BOP or Single Gate BOP (schematic attached)
- B. Functional test daily
- C. All casing strings shall be pressure tested (0.2 psi/foot or 1500 psi, or 70 % of burst whichever is greater) prior to drilling the plug after cementing; test pressure shall not exceed the internal yield pressure of the casing.
- D. Ram type preventers and associated equipment shall be tested to approved stack working pressure if isolated by test plug or to 50 percent of internal yield pressure of casing whichever is less. BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc..., for a 5M system and individual components shall be operable as designed.

4. Casing Program

	<u>Depth</u>	<u>Hole Size</u>	<u>Csg Size</u>	<u>Type</u>	<u>Weight</u>
Surface	500'	17 1/2"	13 3/8"	H-40	48lb/ft (new)
Intermediate	4200'	12 1/4"	9 5/8"	J-55	40lb/ft (new)
Production	TD	8 1/2"	5 1/2"	P-110	17lb/ft(new)

ONSHORE OIL & GAS ORDER NO. 1
QUESTAR EXPLORATION & PRODUCTION, CO.
FLAT ROCK 14P-20-14-20

5. Auxiliary Equipment

- A. Kelly Cock – yes
- B. Float at the bit – no
- C. Monitoring equipment on the mud system – visually
- D. Full opening safety valve on the rig floor – yes
- E. Rotating Head – yes
If drilling with air the following will be used:
- F. The blooie line shall be at least 6" in diameter and extend at least 100' from the well bore into the reserve/blooie pit.
- G. Blooie line ignition shall be provided by a continuous pilot (ignited when drilling below 500').
- H. Compressor shall be tied directly to the blooie line through a manifold.
- I. A mister with a continuous stream of water shall be installed near the end of the blooie lines for dust suppression.

Surface hole will be drilled with air, air/mist, foam, or mud depending on hole conditions. Drilling below surface casing will be with water based drilling fluids consisting primarily of fresh water, bentonite, lignite, caustic, lime, soda ash and polymers. No chromates will be used. It is not intended to use oil in the mud, however, in the event it is used, oil concentration will be less than 4% by volume. Maximum anticipated mud weight is 9.5 ppg.

No minimum quantity of weight material will be required to be kept on location.

PVT/Flow Show will be used from base of surface casing to TD.

Gas detector will be used from surface casing depth to TD.

6. Testing, logging and coring program

- A. Cores – none anticipated
- B. DST – none anticipated

ONSHORE OIL & GAS ORDER NO. 1
QUESTAR EXPLORATION & PRODUCTION, CO.
FLAT ROCK 14P-20-14-20

Logging – Mud logging – 4500 to TD
GR-SP-Induction
Neutron Density
FMI

- C. Formation and Completion Interval: Wingate interval, final determination of completion will be made by analysis of logs.
Stimulation – Stimulation will be designed for the particular area of interest as encountered.

7. Cementing Program

See attached Cementing Recommendation.

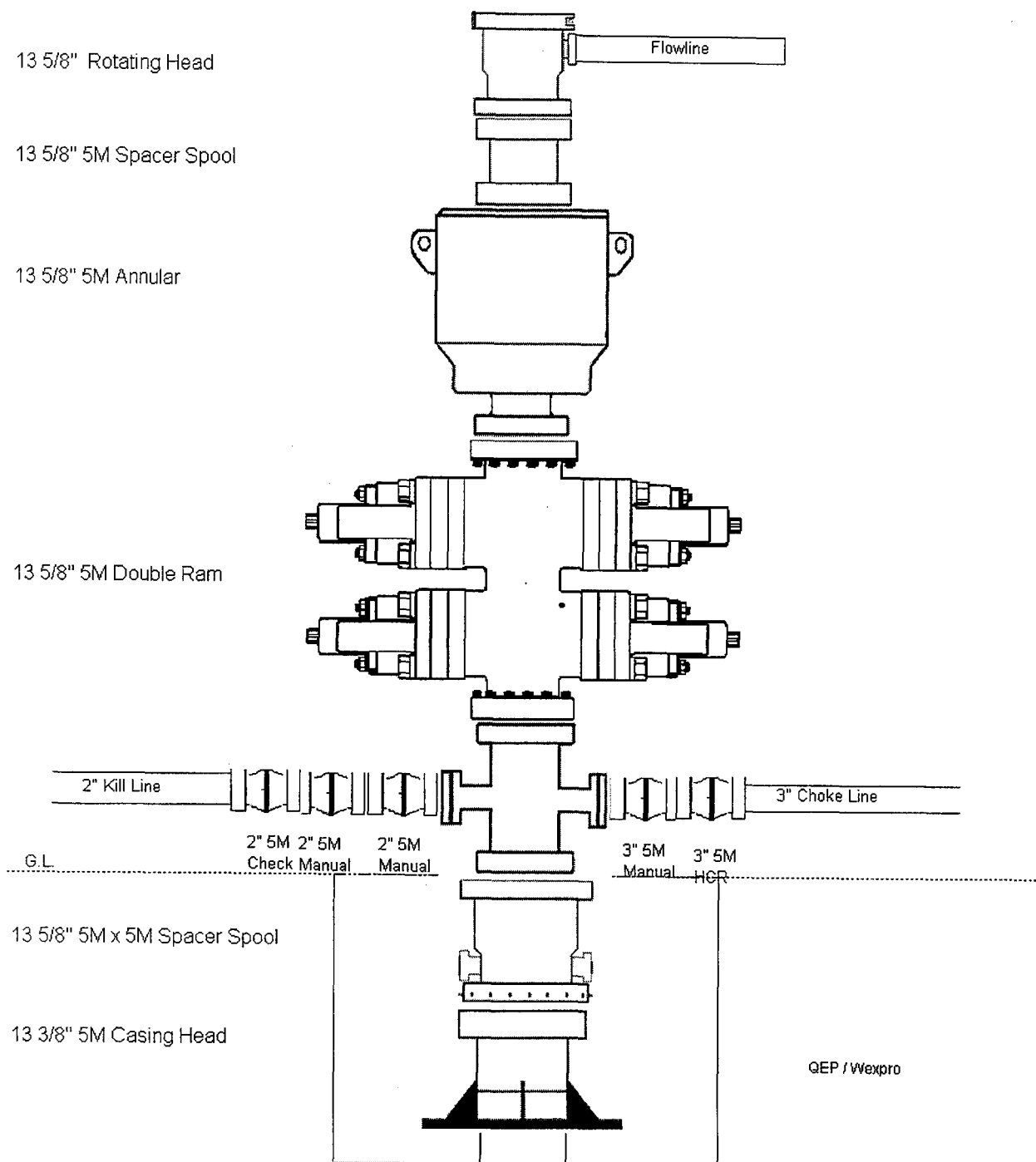
*Final cement volumes to be calculated from caliper log with an attempt to be made to circulate cement to the surface. A bond log will be run across the zone of interest and across zones as required by the authorized officer to insure protection of natural resources.

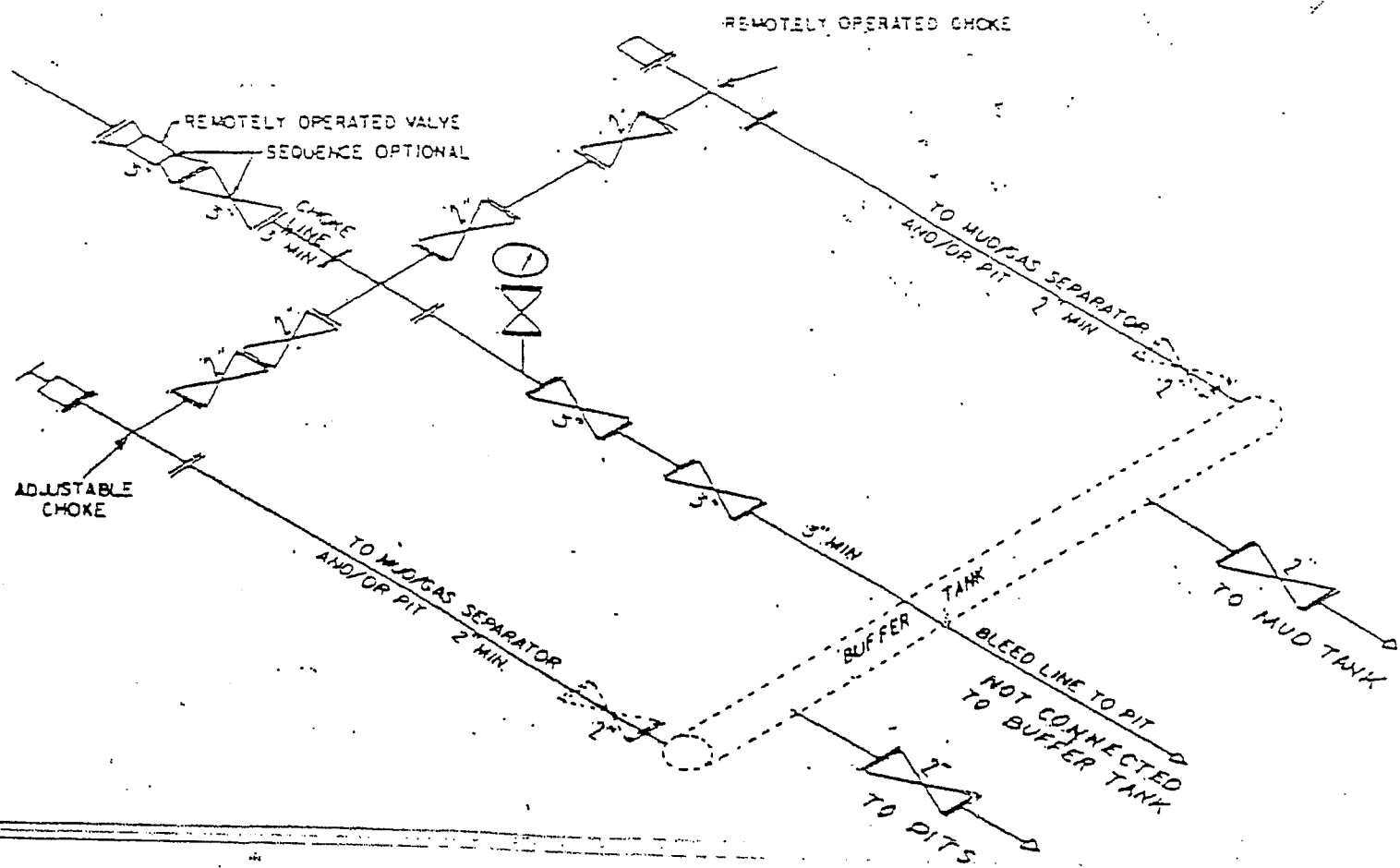
8. Anticipated Abnormal Pressures and Temperatures, Other Potential Hazards

No abnormal temperatures or pressures are anticipated. No H₂S has been encountered in or known to exist from previous wells drilled to similar depths in the general area. Maximum anticipated bottom hole pressure equals approximately 5522 psi. Maximum anticipated bottom hole temperature is 220° F.

9. Surface Owner

The well pad and access road are located on lands owned by the Ute Tribe.





② 5M CHOKE MANIFOLD EQUIPMENT — CONFIGURATION OF CHOKES MAY VARY



Q. E. P.

**1050 17th Street Suite 500
Denver, Colorado 80265**

Flat Rock 14P-20-14-20
Flat Rock Field
Uintah County, Utah
United States of America

Multiple String Cement Recommendation

Prepared for: Mr. Jim Davidson
March 14, 2007
Version: 1

Submitted by:
Aaron James
Halliburton Energy Services
1125 17th St Suite 1900
Denver, Colorado 80202
303-899-4717

HALLIBURTON

Job Information

Cement Surface Casing

Flat Rock 14P-20-14-20

17-1/2" Open Hole 0 - 500 ft (MD)
0 - 500 ft (TVD)
Inner Diameter 17.500 in
Job Excess 100 %

13-3/8" Surface Casing 0 - 500 ft (MD)
0 - 500 ft (TVD)
Outer Diameter 13.375 in
Inner Diameter 12.715 in
Linear Weight 48 lbm/ft
Casing Grade H-40
Job Excess 0 %

Mud Type Air

Calculations**Cement Surface Casing**

Spacer:

$$\begin{aligned}\text{Total Spacer} &= 112.29 \text{ ft}^3 \\ &= 20.00 \text{ bbl}\end{aligned}$$

Cement : (500.00 ft fill)

$$\begin{aligned}500.00 \text{ ft} * 0.6946 \text{ ft}^3/\text{ft} * 100 \% &= 694.64 \text{ ft}^3 \\ \text{Primary Cement} &= 694.64 \text{ ft}^3 \\ &= 123.72 \text{ bbl}\end{aligned}$$

Shoe Joint Volume: (42.00 ft fill)

$$\begin{aligned}42.00 \text{ ft} * 0.8818 \text{ ft}^3/\text{ft} &= 37.03 \text{ ft}^3 \\ &= 6.60 \text{ bbl} \\ \text{Tail plus shoe joint} &= 731.67 \text{ ft}^3 \\ &= 130.32 \text{ bbl} \\ \text{Total Tail} &= 406 \text{ sks}\end{aligned}$$

Total Pipe Capacity:

$$\begin{aligned}500.00 \text{ ft} * 0.8818 \text{ ft}^3/\text{ft} &= 440.89 \text{ ft}^3 \\ &= 78.53 \text{ bbl}\end{aligned}$$

Displacement Volume to Shoe Joint:

$$\begin{aligned}\text{Capacity of Pipe - Shoe Joint} &= 78.53 \text{ bbl} - 6.60 \text{ bbl} \\ &= 71.93 \text{ bbl}\end{aligned}$$

Job Recommendation

Cement Surface Casing

Fluid Instructions

Fluid 1: Water Based Spacer

Gel Water

Fluid Density: 8.34 lbm/gal

Fluid Volume: 20 bbl

Fluid 2: Primary Cement

Rockies LT

0.25 lbm/sk Kwik Seal (Lost Circulation Additive)

0.125 lbm/sk Poly-E-Flake (Lost Circulation Additive)

Fluid Weight 13.50 lbm/gal

Slurry Yield: 1.80 ft³/sk

Total Mixing Fluid: 9.33 Gal/sk

Top of Fluid: 0 ft

Calculated Fill: 500 ft

Volume: 130.32 bbl

Calculated Sacks: 406.48 sks

Proposed Sacks: 410 sks

Fluid 3: Water Spacer

Water Displacement

Fluid Density: 8.34 lbm/gal

Fluid Volume: 71.93 bbl

Fluid 4: Top Out Cement

Premium Plus - Type III

94 lbm/sk Premium Plus - Type III (Cement-api)

2 % Calcium Chloride (Accelerator)

Fluid Weight 14.50 lbm/gal

Slurry Yield: 1.41 ft³/sk

Total Mixing Fluid: 6.86 Gal/sk

Proposed Sacks: 200 sks

Detailed Pumping Schedule

Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Estimated Avg Rate bbl/min	Downhole Volume
1	Spacer	Gel Water	8.3	5.0	20 bbl
2	Cement	Rockies LT Cement	13.5	5.0	410 sks
3	Spacer	Water Displacement	8.3	5.0	71.93 bbl
4	Cement	Top Out Cement	14.5	1.5	200 sks

Cost Estimate

Cement Surface Casing

Mtrl Nbr	Description	Qty	U/M	Unit Price	Gross Amt	Discount	Net Amt
7521	CMT SURFACE CASING BOM	1		0.00	0.00	61.0%	0.00
	CEMENTING EQUIPMENT & SERVICES						
16091	ZI - PUMPING CHARGE DEPTH FEET/METERS (FT/M)	1 500 FT	EA	4,406.00	4,406.00	61.0%	1,718.34
2	MILEAGE FOR CEMENTING CREW,ZI Number of Units	200 1	MI	5.14	1,028.00	61.0%	400.92
1	ZI-MILEAGE FROM NEAREST HES BASE,/UNIT Number of Units	200 1	MI	8.74	1,748.00	61.0%	681.72
132	PORT. DAS W/CEMWIN;ACQUIRE W/HES, ZI NUMBER OF DAYS	1 1	JOB	1,472.00	1,472.00	61.0%	574.08
114	R/A DENSOMETER W/CHART RECORDER,/JOB,ZI NUMBER OF UNITS	1 1	JOB	1,147.00	1,147.00	61.0%	447.33
141	RCM II W/ADC,/JOB,ZI NUMBER OF UNITS	1 1	JOB	1,777.00	1,777.00	61.0%	693.03
74038	ZI PLUG CONTAINER RENTAL-1ST DAY DAYS OR FRACTION (MIN1)	1 1	EA	0.00	1,180.00	61.0%	460.20
90	ZI QUICK LATCH ATTACHMENT SIZE IN INCHES/MILLIMETER INCHES/MILLIMETERS (IN/MM)	1 13.375 IN	JOB	550.00	550.00	61.0%	214.50
	SubTotal			USD	13,308.00	61.0%	5,190.12
	SURCHARGES						
7	ENVIRONMENTAL SURCHARGE,/JOB,ZI	1	JOB	120.00	120.00	0.0%	120.00
8	IRON SAFETY INSPECTION SURCHARGE /JOB ZI	1	JOB	74.00	74.00	0.0%	74.00
86954	ZI FUEL SURCHG-CARS/PICKUPS<1 1/2TON Number of Units	200 1	MI	0.13	26.00	0.0%	26.00
86955	ZI FUEL SURCHG-HEAVY TRKS >1 1/2 TON Number of Units	200 3	MI	0.40	240.00	0.0%	240.00
87605	ZI FUEL SURCHG-CMT & CMT ADDITIVES NUMBER OF TONS	100 30.52		0.13	396.76	0.0%	396.76
372867	Cmt PSL - DOT Vehicle Charge, CMT	3	EA	215.20	645.60	0.0%	645.60
432487	CMT, Bulk Cement Surcharge	410	EA	1.38	565.80	0.0%	565.80
	SubTotal			USD	2,068.16	0.0%	2,068.16
	CEMENTING MATERIALS						
201087	BA.QUIK-GEL - 50 LB BAG	20	BG	48.43	968.60	61.0%	377.75
430481	ROCKIES LT	410	SK	55.63	22,808.30	61.0%	8,895.24
100064010	KWIK SEAL,FINE	103	LB	4.97	511.91	61.0%	199.64
101216940	POLY-E-FLAKE	52	LB	4.97	258.44	61.0%	100.79
76400	ZI MILEAGE,CMT MTLs DEL/RET MIN NUMBER OF TONS	100 30.92	MI	2.99	9,245.08	61.0%	3,605.58
3965	HANDLE&DUMP SVC CHRg, CMT&ADDITIVES,ZI NUMBER OF EACH	686 1	CF	4.90	3,361.40	61.0%	1,310.95
	Total			USD			52,529.89
	Discount			USD			30,781.66
	Discounted Total			USD			21,748.23

Primary Plant: Vernal, UT, USA
Secondary Plant: Vernal, UT, USA

Price Book Ref: 01 Western US
Price Date: 1/1/2006

Float Equipment

<u>Mtrl Nbr</u>	<u>Description</u>	<u>Qty</u>	<u>U/M</u>	<u>Unit Price</u>	<u>Gross Amt</u>	<u>Discount</u>	<u>Net Amt</u>
7521	CMT SURFACE CASING BOM	1	JOB	0.00	0.00	50.0%	0.00
	13 3/8 Casing Equipment						
100004852	CLR,FLT,13-3/8 8RD 48-72PPF,2-3/4	1	EA	1,900.00	1,900.00	50.0%	950.00
100004977	SHOE,FLOAT,13-3/8 8RD,2-3/4 SUPER SEAL	1	EA	1,546.00	1,546.00	50.0%	773.00
100004487	CENTRALIZER-13 3/8"-CSG-17 1/2"-HINGED	5	EA	253.00	1,265.00	50.0%	632.50
100005045	KIT,HALL WELD-A	2	EA	66.30	132.60	50.0%	66.30
100004631	CLAMP - LIMIT - 13-3/8 - HINGED -	1	EA	71.40	71.40	50.0%	35.70
101235693	PLUG,CMTG,TOP,13 3/8,HWE,11.79 MIN/12.72	1	EA	891.00	891.00	50.0%	445.50
	SubTotal			USD	5,806.00	50.0%	2,903.00
	Total			USD			5,806.00
	Discount			USD			2,903.00
	Discounted Total			USD			2,903.00

Primary Plant: Vernal, UT, USA
Secondary Plant: Vernal, UT, USA

Price Book Ref: 01 Western US
Price Date: 1/1/2006

Top Out

<u>Mtrl Nbr</u>	<u>Description</u>	<u>Qty</u>	<u>U/M</u>	<u>Unit Price</u>	<u>Gross Amt</u>	<u>Discount</u>	<u>Net Amt</u>
7521	CMT SURFACE CASING BOM	1	JOB	0.00	0.00	0.0%	0.00
	Cement Materials						
432487	CMT, Bulk Cement Surcharge	200	EA	1.38	276.00	0.0%	276.00
100012229	STANDARD FINE TYPE 3	200	SK	37.33	7,466.00	61.0%	2,911.74
100005053	CALCIUM CHLORIDE HI TEST PLT	5	SK	224.10	1,120.50	61.0%	436.99
	Total			USD			8,862.50
	Discount			USD			5,237.77
	Discounted Total			USD			3,624.73

Primary Plant: Vernal, UT, USA
Secondary Plant: Vernal, UT, USA

Price Book Ref: 01 Western US
Price Date: 1/2/2006

Job Information

Cement Intermediate Casing

Flat Rock	14P-20-14-20
13-3/8" Surface Casing	0 - 500 ft (MD)
	0 - 500 ft (TVD)
Outer Diameter	13.375 in
Inner Diameter	12.715 in
Linear Weight	48 lbm/ft
Casing Grade	H-40
Job Excess	0 %
12-1/4" Open Hole	500 - 4200 ft (MD)
Inner Diameter	12.250 in
Job Excess	50 %
9-5/8" Intermediate Casing	0 - 4200 ft (MD)
Outer Diameter	9.625 in
Inner Diameter	8.835 in
Linear Weight	40 lbm/ft
Casing Grade	J-55
Job Excess	0 %
Mud Type	Aerated
Mud Weight	8.40 lbm/gal
BHCT	95 degF

Calculations**Cement Intermediate Casing**

Spacer:

$$\begin{aligned}\text{Total Spacer} &= 56.15 \text{ ft}^3 \\ &= 10.00 \text{ bbl}\end{aligned}$$

Spacer:

$$\begin{aligned}\text{Total Spacer} &= 112.29 \text{ ft}^3 \\ &= 20.00 \text{ bbl}\end{aligned}$$

Spacer:

$$\begin{aligned}\text{Total Spacer} &= 56.15 \text{ ft}^3 \\ &= 10.00 \text{ bbl}\end{aligned}$$

Cement : (2700.00 ft fill)

$$\begin{aligned}500.00 \text{ ft} * 0.3765 \text{ ft}^3/\text{ft} * 0 \% &= 188.25 \text{ ft}^3 \\ 2200.00 \text{ ft} * 0.3132 \text{ ft}^3/\text{ft} * 50 \% &= 1033.52 \text{ ft}^3 \\ \text{Total Foamed Lead Cement} &= 1221.77 \text{ ft}^3 \\ &= 217.61 \text{ bbl} \\ \text{Sacks of Cement} &= 483 \text{ sks}\end{aligned}$$

Cement : (1000.00 ft fill)

$$\begin{aligned}1000.00 \text{ ft} * 0.3132 \text{ ft}^3/\text{ft} * 50 \% &= 469.78 \text{ ft}^3 \\ \text{Total Foamed Lead Cement} &= 469.78 \text{ ft}^3 \\ &= 83.67 \text{ bbl} \\ \text{Sacks of Cement} &= 240 \text{ sks}\end{aligned}$$

Cement : (500.00 ft fill)

$$\begin{aligned}500.00 \text{ ft} * 0.3132 \text{ ft}^3/\text{ft} * 50 \% &= 234.89 \text{ ft}^3 \\ \text{Tail Cement} &= 234.89 \text{ ft}^3 \\ &= 41.84 \text{ bbl}\end{aligned}$$

Shoe Joint Volume: (42.00 ft fill)

$$\begin{aligned}42.00 \text{ ft} * 0.4257 \text{ ft}^3/\text{ft} &= 17.88 \text{ ft}^3 \\ &= 3.18 \text{ bbl} \\ \text{Tail plus shoe joint} &= 252.77 \text{ ft}^3 \\ &= 45.02 \text{ bbl} \\ \text{Total Tail} &= 172 \text{ sks}\end{aligned}$$

Total Pipe Capacity:

$$\begin{aligned}4200.00 \text{ ft} * 0.4257 \text{ ft}^3/\text{ft} &= 1788.09 \text{ ft}^3 \\ &= 318.47 \text{ bbl}\end{aligned}$$

Displacement Volume to Shoe Joint:

$$\begin{aligned}\text{Capacity of Pipe - Shoe Joint} &= 318.47 \text{ bbl} - 3.18 \text{ bbl} \\ &= 315.29 \text{ bbl}\end{aligned}$$

Job Recommendation**Cement Intermediate Casing**

Fluid Instructions

Fluid 1: Water Spacer

Fresh Water Ahead

Fluid Density: 8.34 lbm/gal

Fluid Volume: 10 bbl

Fluid 2: Reactive Spacer

Super Flush

Fluid Density: 9.20 lbm/gal

68 lbm/bbl Halliburton Super Flush (Flush/spacer Additive) Fluid Volume: 20 bbl

Fluid 3: Water Spacer

Fresh Water Behind

Fluid Density: 8.34 lbm/gal

Fluid Volume: 10 bbl

Fluid 4: Foamed Lead Cement

50/50 Poz Premium

0.1 % HALAD-766 (Low Fluid Loss Control)

5 lbm/sk Silicalite Compacted (Light Weight Additive) Total Mixing Fluid: 6.39 Gal/sk

20 % SSA-1 (Cement Material)

0.1 % Versaset (Thixotropic Additive)

1.5 % Zonesealant 2000 (Foamer)

Foamed Fluid Weight 8.5 lbm/gal

Fluid Weight 14.30 lbm/gal

Slurry Yield: 1.47 ft³/sk

Top of Fluid: 0 ft

Calculated Fill: 2700 ft

Volume: 217.61 bbl

Calculated Sacks: 483.22 sks

Proposed Sacks: 490 sks

Fluid 5: Foamed Lead Cement

50/50 Poz Premium

0.1 % HALAD-766 (Low Fluid Loss Control)

5 lbm/sk Silicalite Compacted (Light Weight Additive) Total Mixing Fluid: 6.39 Gal/sk

20 % SSA-1 (Cement Material)

0.1 % Versaset (Thixotropic Additive)

1.5 % Zonesealant 2000 (Foamer)

Foamed Fluid Weight 11.0 lbm/gal

Fluid Weight 14.30 lbm/gal

Slurry Yield: 1.47 ft³/sk

Top of Fluid: 2700 ft

Calculated Fill: 1000 ft

Volume: 83.67 bbl

Calculated Sacks: 240.47 sks

Proposed Sacks: 250 sks

Fluid 6: Tail Cement

50/50 Poz Premium

0.1 % HALAD-766 (Low Fluid Loss Control)

5 lbm/sk Silicalite Compacted (Light Weight Additive) Total Mixing Fluid: 6.39 Gal/sk

20 % SSA-1 (Cement Material)

0.1 % Versaset (Thixotropic Additive)

Fluid Weight 14.30 lbm/gal

Slurry Yield: 1.47 ft³/sk

Top of Fluid: 3700 ft

Calculated Fill: 500 ft

Volume: 45.02 bbl

Calculated Sacks: 172.07 sks

Proposed Sacks: 180 sks

Fluid 7: Water Spacer
Displacement

Fluid Density: 8.34 lbm/gal
Fluid Volume: 315.29 bbl

Fluid 8: Top Out Cement
Premium Cement

94 lbm/sk Premium Cement (Cement)
12 % Cal-Seal 60 (Accelerator)
3 % Calcium Chloride (Accelerator)

Fluid Weight 14.60 lbm/gal
Slurry Yield: 1.55 ft³/sk
Total Mixing Fluid: 7.35 Gal/sk
Proposed Sacks: 75 sks

Job Procedure

Cement Intermediate Casing

Detailed Pumping Schedule

Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Estimated Avg Rate bbl/min	Downhole Volume
1	Spacer	Fresh Water Ahead	8.3	5.0	10 bbl
2	Spacer	Super Flush	9.2	5.0	20 bbl
3	Spacer	Fresh Water Behind	8.3	5.0	10 bbl
4	Cement	8.5 ppg Foamed Cement	14.3	5.0	490 sks
5	Cement	11 ppg Foamed Cement	14.3	5.0	250 sks
6	Cement	Unfoamed Tail	14.3	5.0	180 sks
7	Spacer	Displacement	8.3	7.0	315.29 bbl
8	Cement	Cap Cement	14.6	1.5	75 sks

Foam Output Parameter Summary:

Fluid #	Fluid Name	Unfoamed Liquid Volume	Beginning Density lbm/gal	Ending Density lbm/gal	Beginning Rate scf/bbl	Ending Rate scf/bbl
Stage 1						
4	8.5 ppg Foamed Cement	126.43bbl	8.5	8.5	23.3	352.7
5	11 ppg Foamed Cement	62.92bbl	11.0	11.0	152.0	222.8

Foam Design Specifications:

Foam Calculation Method: Constant Density
Backpressure: 75 psig
Bottom Hole Circulating Temp: 95 degF
Mud Outlet Temperature: 80 degF

Calculated Gas = 35573.9 scf
Additional Gas = 40000 scf
Total Gas = 75573.9 scf

Job Information

Cement Production Casing

Flat Rock

14P-20-14-20

9-5/8" Intermediate Casing

0 - 4200 ft (MD)

Outer Diameter

9.625 in

Inner Diameter

8.835 in

Linear Weight

40 lbm/ft

Casing Grade

J-55

Job Excess

0 %

8-1/2" Open Hole

4200 - 12385 ft (MD)

Inner Diameter

8.500 in

Job Excess

40 %

5-1/2" Production Casing

0 - 12385 ft (MD)

Outer Diameter

5.500 in

Inner Diameter

4.892 in

Linear Weight

17 lbm/ft

Casing Grade

P-110

Job Excess

0 %

Mud Type

Water Based Mud

Mud Weight

9.20 lbm/gal

BHST

220 degF

BHCT

180 degF

Calculations

Cement Production Casing

Spacer:

$$\begin{aligned} 215.00 \text{ ft} * 0.2607 \text{ ft}^3/\text{ft} * 0 \% &= 56.06 \text{ ft}^3 \\ \text{Total Spacer} &= 56.15 \text{ ft}^3 \\ &= 10.00 \text{ bbl} \end{aligned}$$

Spacer:

$$\begin{aligned} 431.00 \text{ ft} * 0.2607 \text{ ft}^3/\text{ft} * 0 \% &= 112.38 \text{ ft}^3 \\ \text{Total Spacer} &= 112.29 \text{ ft}^3 \\ &= 20.00 \text{ bbl} \end{aligned}$$

Spacer:

$$\begin{aligned} 215.00 \text{ ft} * 0.2607 \text{ ft}^3/\text{ft} * 0 \% &= 56.06 \text{ ft}^3 \\ \text{Total Spacer} &= 56.15 \text{ ft}^3 \\ &= 10.00 \text{ bbl} \end{aligned}$$

Cement : (8185.00 ft fill)

$$\begin{aligned} 500.00 \text{ ft} * 0.2607 \text{ ft}^3/\text{ft} * 0 \% &= 130.37 \text{ ft}^3 \\ 7685.00 \text{ ft} * 0.2291 \text{ ft}^3/\text{ft} * 40 \% &= 2464.61 \text{ ft}^3 \\ \text{Total Foamed Lead Cement} &= 2594.99 \text{ ft}^3 \\ &= 462.19 \text{ bbl} \\ \text{Sacks of Cement} &= 1287 \text{ sks} \end{aligned}$$

Cement : (500.00 ft fill)

$$\begin{aligned} 500.00 \text{ ft} * 0.2291 \text{ ft}^3/\text{ft} * 40 \% &= 160.35 \text{ ft}^3 \\ \text{Tail Cement} &= 160.35 \text{ ft}^3 \\ &= 28.56 \text{ bbl} \end{aligned}$$

Shoe Joint Volume: (42.00 ft fill)

$$\begin{aligned} 42.00 \text{ ft} * 0.1305 \text{ ft}^3/\text{ft} &= 5.48 \text{ ft}^3 \\ &= 0.98 \text{ bbl} \\ \text{Tail plus shoe joint} &= 165.83 \text{ ft}^3 \\ &= 29.54 \text{ bbl} \\ \text{Total Tail} &= 113 \text{ sks} \end{aligned}$$

Total Pipe Capacity:

$$\begin{aligned} 12385.00 \text{ ft} * 0.1305 \text{ ft}^3/\text{ft} &= 1616.58 \text{ ft}^3 \\ &= 287.92 \text{ bbl} \end{aligned}$$

Displacement Volume to Shoe Joint:

$$\begin{aligned} \text{Capacity of Pipe - Shoe Joint} &= 287.92 \text{ bbl} - 0.98 \text{ bbl} \\ &= 286.95 \text{ bbl} \end{aligned}$$

Job Recommendation**Cement Production Casing**

Fluid Instructions

Fluid 1: Water Spacer

Fresh Water Ahead

Fluid Density: 8.34 lbm/gal

Fluid Volume: 10 bbl

Fluid 2: Reactive Spacer

Super Flush

Fluid Density: 9.20 lbm/gal

Fluid Volume: 20 bbl

Fluid 3: Water Spacer

Fresh Water Behind

Fluid Density: 8.34 lbm/gal

Fluid Volume: 10 bbl

Fluid 4: Foamed Lead Cement

50/50 Poz Premium

0.3 % HALAD-766 (Low Fluid Loss Control)

5 lbm/sk Silicalite Compacted (Light Weight Additive)

20 % SSA-1 (Cement Material)

0.2 % Versaset (Thixotropic Additive)

1.5 % Zonesealant 2000 (Foamer)

Foamed Fluid Weight 11.00 lbm/gal

Fluid Weight 14.30 lbm/gal

Slurry Yield: 1.47 ft³/sk

Total Mixing Fluid: 6.39 Gal/sk

Top of Fluid: 3700 ft

Calculated Fill: 8185 ft

Volume: 462.19 bbl

Calculated Sacks: 1286.73 sks

Proposed Sacks: 1290 sks

Fluid 5: Tail Cement

50/50 Poz Premium

0.3 % HALAD-766 (Low Fluid Loss Control)

5 lbm/sk Silicalite Compacted (Light Weight Additive)

20 % SSA-1 (Cement Material)

0.2 % Versaset (Thixotropic Additive)

1.5 % Zonesealant 2000 (Foamer)

Fluid Weight 14.30 lbm/gal

Slurry Yield: 1.47 ft³/sk

Total Mixing Fluid: 6.39 Gal/sk

Top of Fluid: 11885 ft

Calculated Fill: 500 ft

Volume: 29.54 bbl

Calculated Sacks: 112.74 sks

Proposed Sacks: 120 sks

Fluid 6: Water Spacer

Displacement

Fluid Density: 8.34 lbm/gal

Fluid Volume: 317.52 bbl

Fluid 7: Top Out Cement

Premium Cement

94 lbm/sk Premium Cement (Cement)

12 % Cal-Seal 60 (Accelerator)

3 % Calcium Chloride (Accelerator)

Fluid Weight 14.60 lbm/gal

Slurry Yield: 1.55 ft³/sk

Total Mixing Fluid: 7.35 Gal/sk

Proposed Sacks: 75 sks

Detailed Pumping Schedule

Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Estimated Avg Rate bbl/min	Downhole Volume
1	Spacer	Fresh Water Ahead	8.3	5.0	10 bbl
2	Spacer	Super Flush	9.2	5.0	20 bbl
3	Spacer	Fresh Water Behind	8.3	5.0	10 bbl
4	Cement	Foamed Lead	14.3	5.0	1290 sks
5	Cement	Unfoamed Tail	14.3	5.0	120 sks
6	Spacer	Displacement	8.3	7.0	317.52 bbl
7	Cement	12/3 Thixo	14.6	1.5	75 sks

Foam Output Parameter Summary:

Fluid #	Fluid Name	Unfoamed Liquid Volume	Beginning Density lbm/gal	Ending Density lbm/gal	Beginning Rate scf/bbl	Ending Rate scf/bbl
Stage 1						
4	Foamed Lead	337.12bb 1	11.0	11.0	200.5	666.9

Foam Design Specifications:

Foam Calculation Method: Constant Density
Backpressure: 75 psig
Bottom Hole Circulating Temp: 180 degF
Mud Outlet Temperature: 120 degF

Calculated Gas = 150122.6 scf
Additional Gas = 40000 scf
Total Gas = 190122.6 scf

Lessee's or Operator's Representative:

Jan Nelson
Red Wash Rep.
Questar Exploration & Production, Co.
1571 East 1700 South
Vernal, Utah 84078
(435) 781-4032

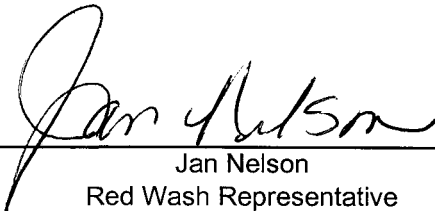
Certification:

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil & Gas Orders, the approved plan of operations, and any applicable Notice to Lessees.

QEP will be fully responsible for the actions of their subcontractors.

A complete copy of the approved Application for Permit to Drill will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by QEP it's contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.



Jan Nelson
Red Wash Representative

23-Mar-07

Date

QUESTAR EXPLR. & PROD.

FR #14P-20-14-20

LOCATED IN UINTAH COUNTY, UTAH
SECTION 20, T14S, R20E, S.L.B.&M.

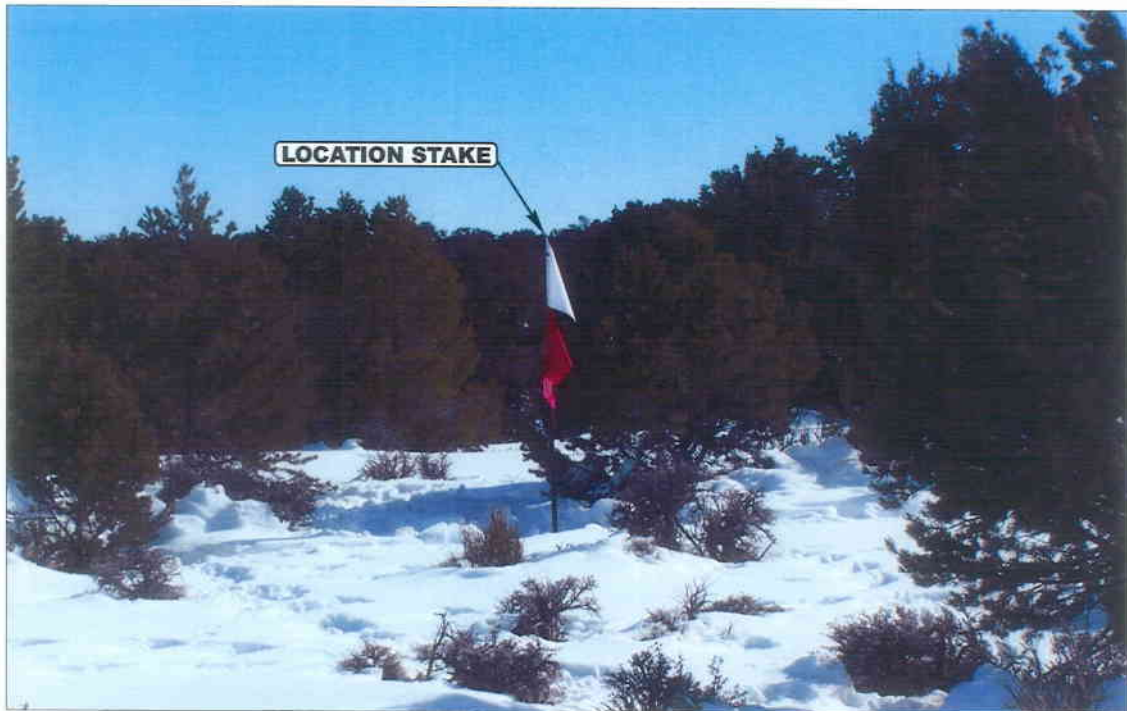


PHOTO: VIEW OF LOCATION STAKE

CAMERA ANGLE: SOUTHEASTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: EASTERLY



- Since 1964 -

UELS Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

02 01 07
MONTH DAY YEAR

PHOTO

TAKEN BY: B.H.

DRAWN BY: L.K.

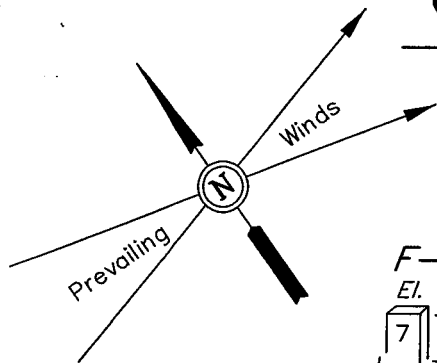
REVISED: 00-00-00

QUESTAR EXPLR. & PROD.

LOCATION LAYOUT FOR

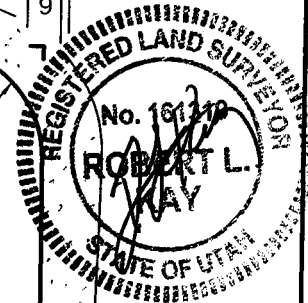
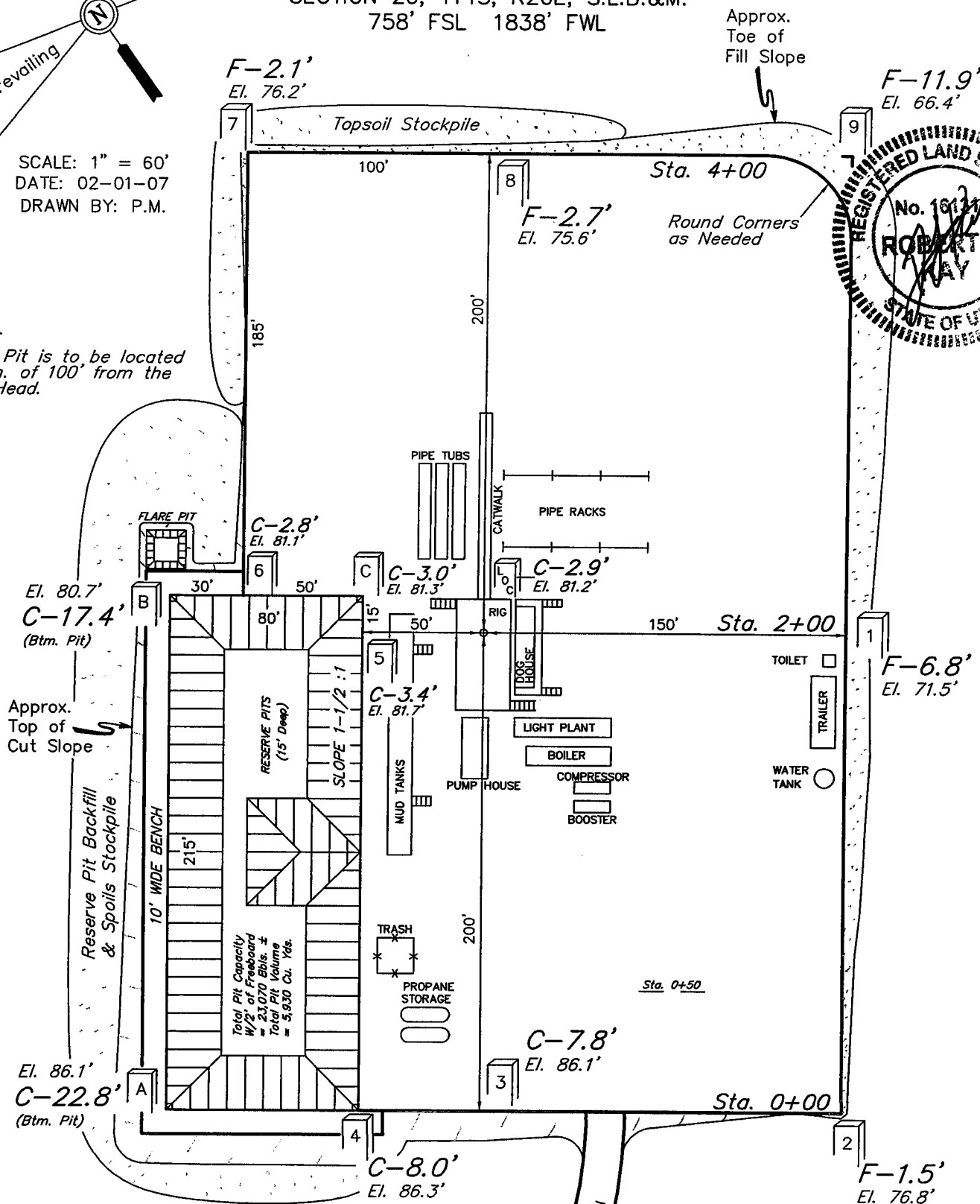
FR #14P-20-14-20
SECTION 20, T14S, R20E, S.L.B.&M.
758' FSL 1838' FWL

FIGURE #1



SCALE: 1" = 60'
DATE: 02-01-07
DRAWN BY: P.M.

NOTE:
Flare Pit is to be located
a min. of 100' from the
Well Head.



NOTES:

Elev. Ungraded Ground At Loc. Stake = 7381.2'
FINISHED GRADE ELEV. AT LOC. STAKE = 7378.3'

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

QUESTAR EXPLR. & PROD.

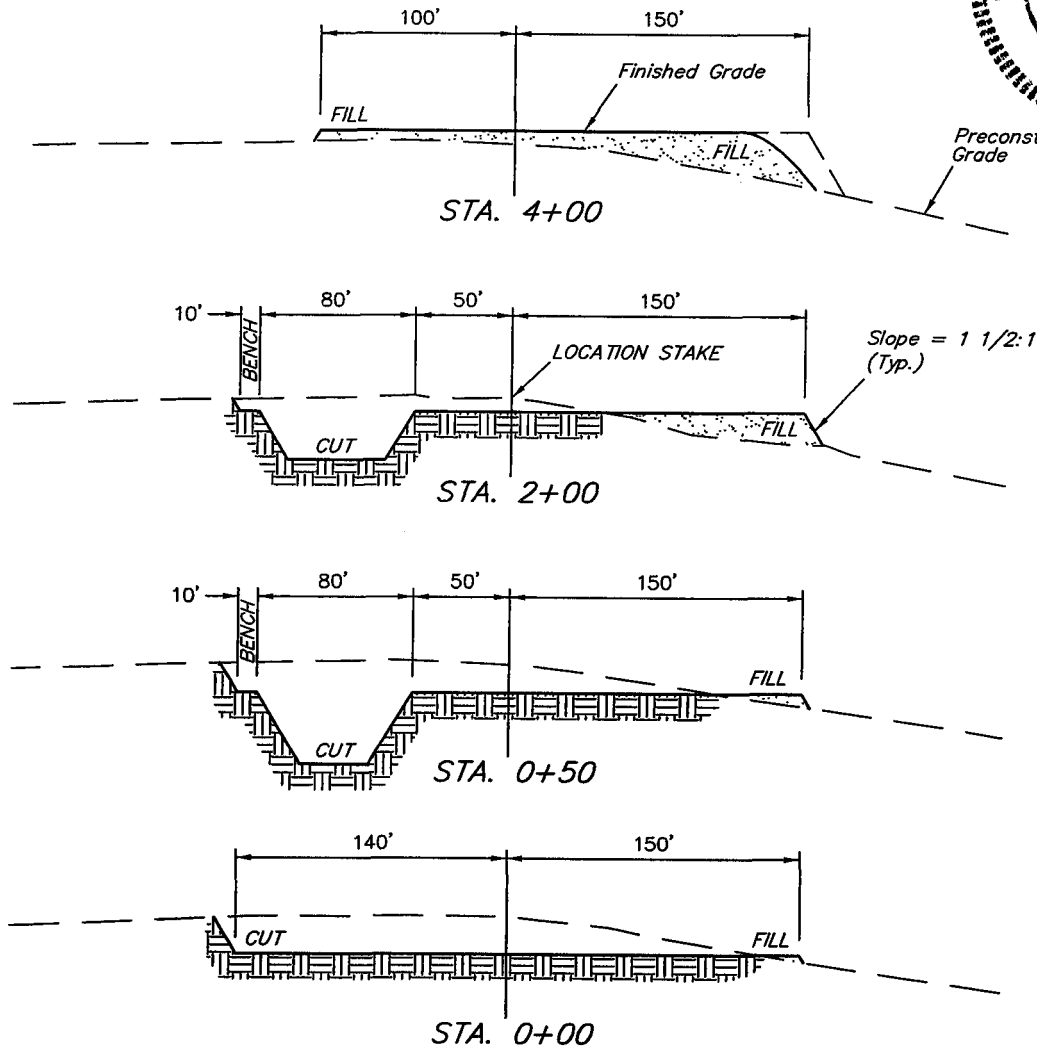
TYPICAL CROSS SECTIONS FOR

FR #14P-20-14-20
SECTION 20, T14S, R20E, S.L.B.&M.
758' FSL 1838' FWL

FIGURE #2

1" = 40'
X-Section
Scale
1" = 100'

DATE: 02-01-07
DRAWN BY: P.M.



APPROXIMATE ACREAGES

WELL SITE DISTURBANCE = ± 3.127 ACRES
ACCESS ROAD DISTURBANCE = ± 0.220 ACRES
PIPELINE DISTURBANCE = ± 6.871 ACRES
TOTAL = ± 10.218 ACRES

NOTE:

Topsoil should not be
Stripped Below Finished
Grade on Substructure Area.

* NOTE:

FILL QUANTITY INCLUDES
5% FOR COMPACTION

APPROXIMATE YARDAGES

CUT
(12") Topsoil Stripping = 4,670 Cu. Yds.
Remaining Location = 12,680 Cu. Yds.
TOTAL CUT = 17,350 CU.YDS.
FILL = 9,710 CU.YDS.

EXCESS MATERIAL = 7,640 Cu. Yds.
Topsoil & Pit Backfill = 7,640 Cu. Yds.
(1/2 Pit Vol.)
EXCESS UNBALANCE = 0 Cu. Yds.
(After Interim Rehabilitation)

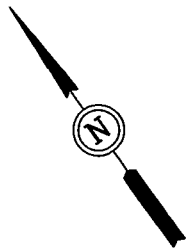
UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

QUESTAR EXPLR. & PROD.

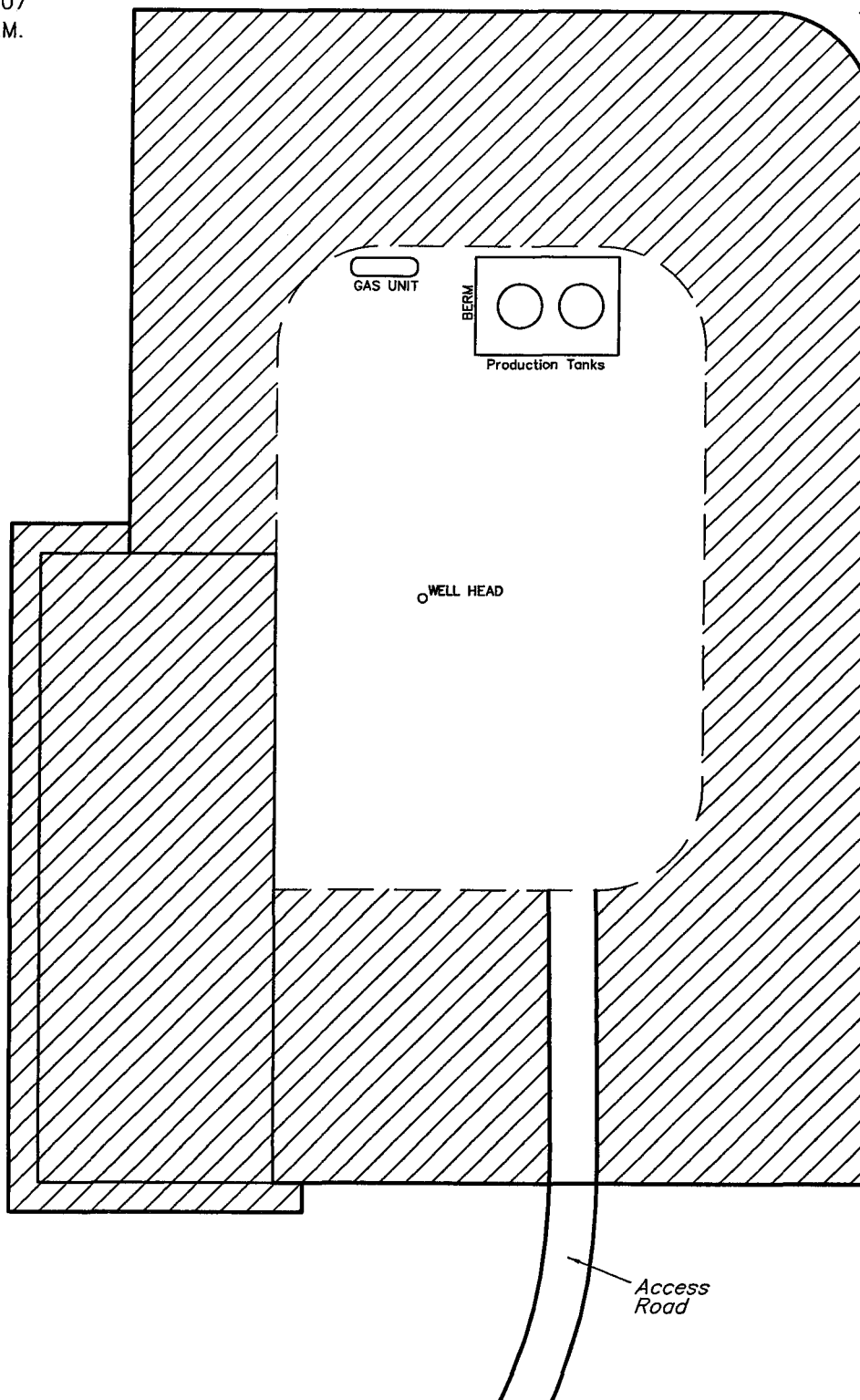
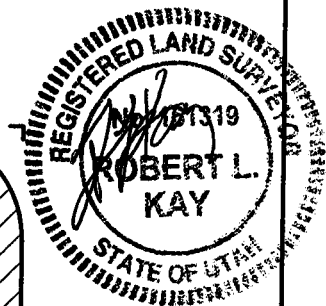
INTERIM RECLAMATION PLAN FOR

FR #14P-20-14-20
SECTION 20, T14S, R20E, S.L.B.&M.
758' FSL 1838' FWL

FIGURE #3

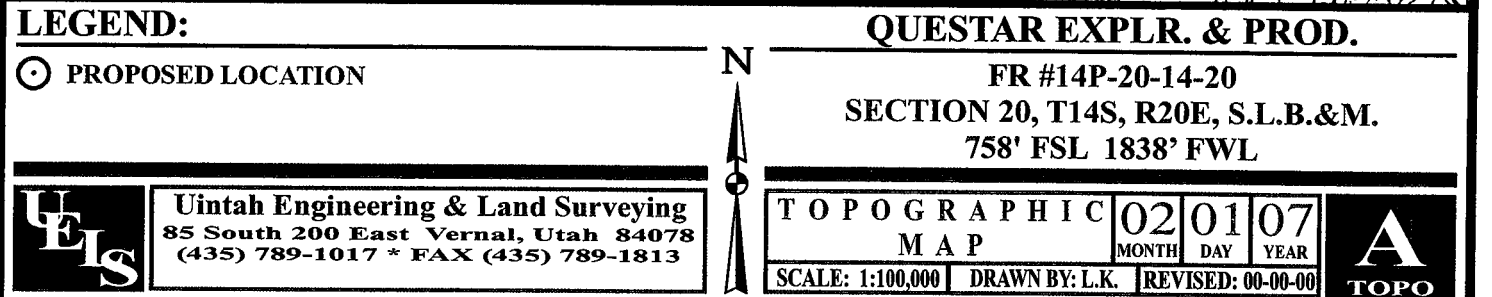


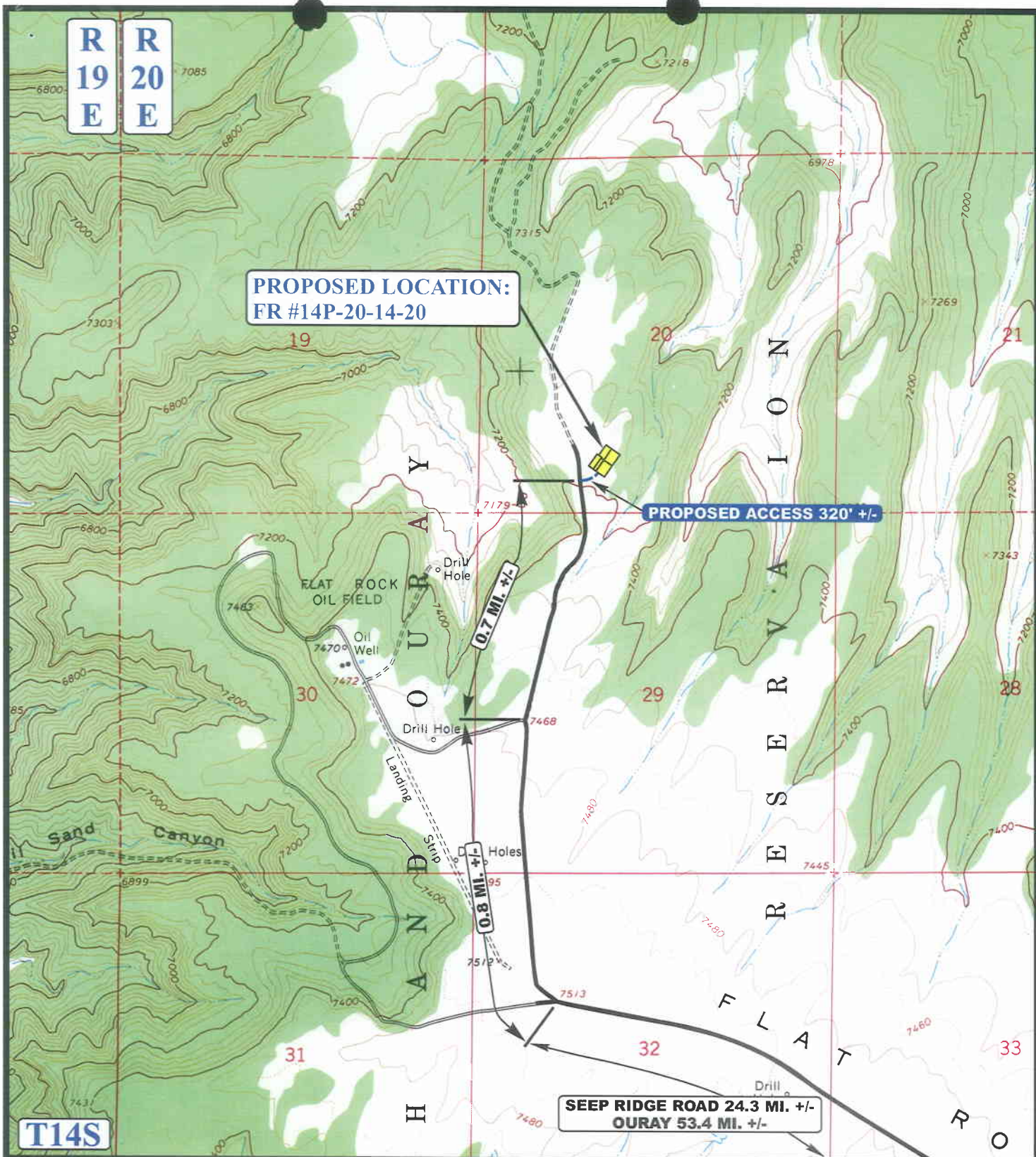
SCALE: 1" = 60'
DATE: 02-01-07
DRAWN BY: P.M.

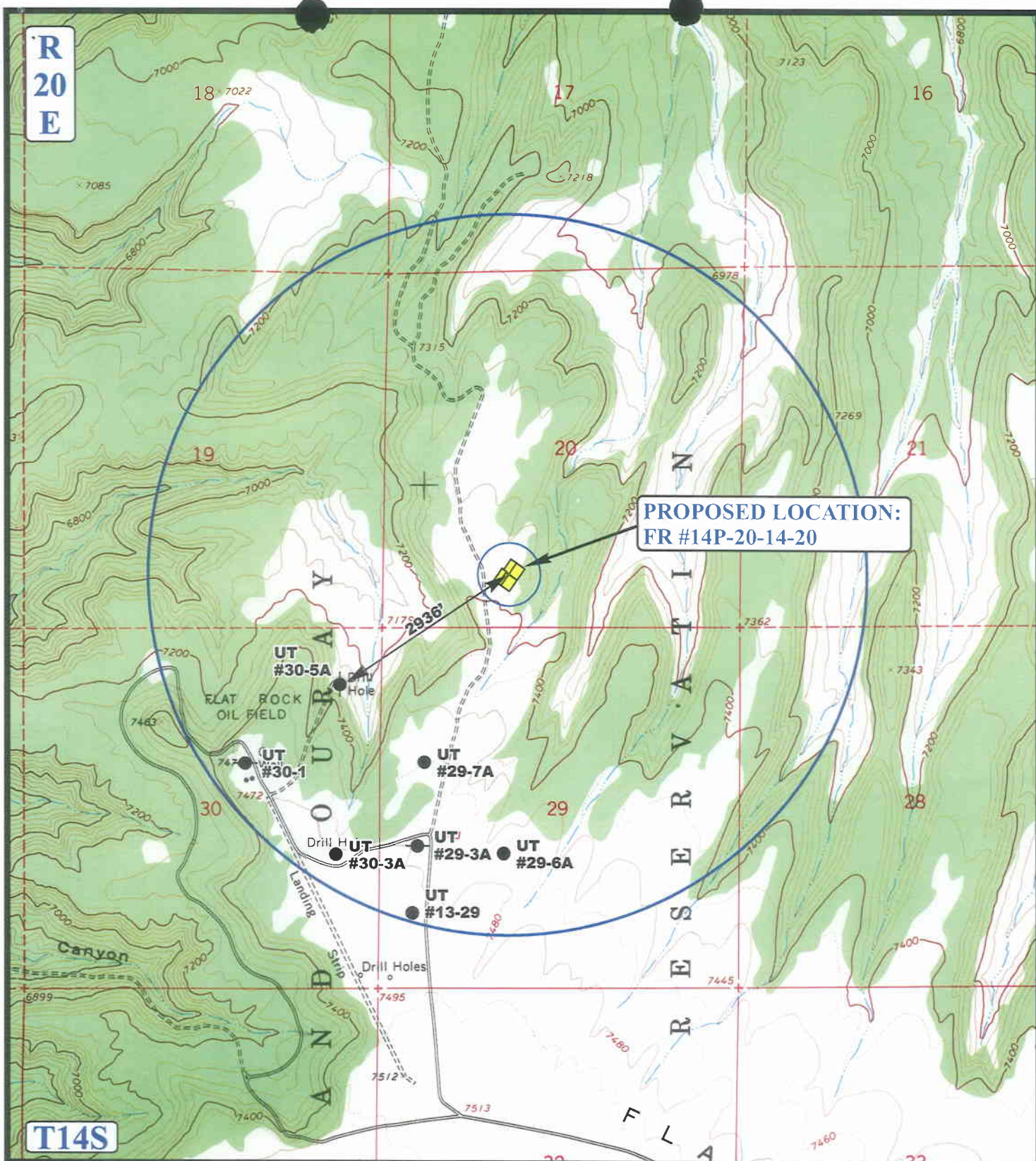


 INTERIM RECLAMATION

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017







LEGEND:

- DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED

QUESTAR EXPLR. & PROD.

FR #14P-20-14-20
SECTION 20, T14S, R20E, S.L.B.&M.
758' FSL 1838' FWL



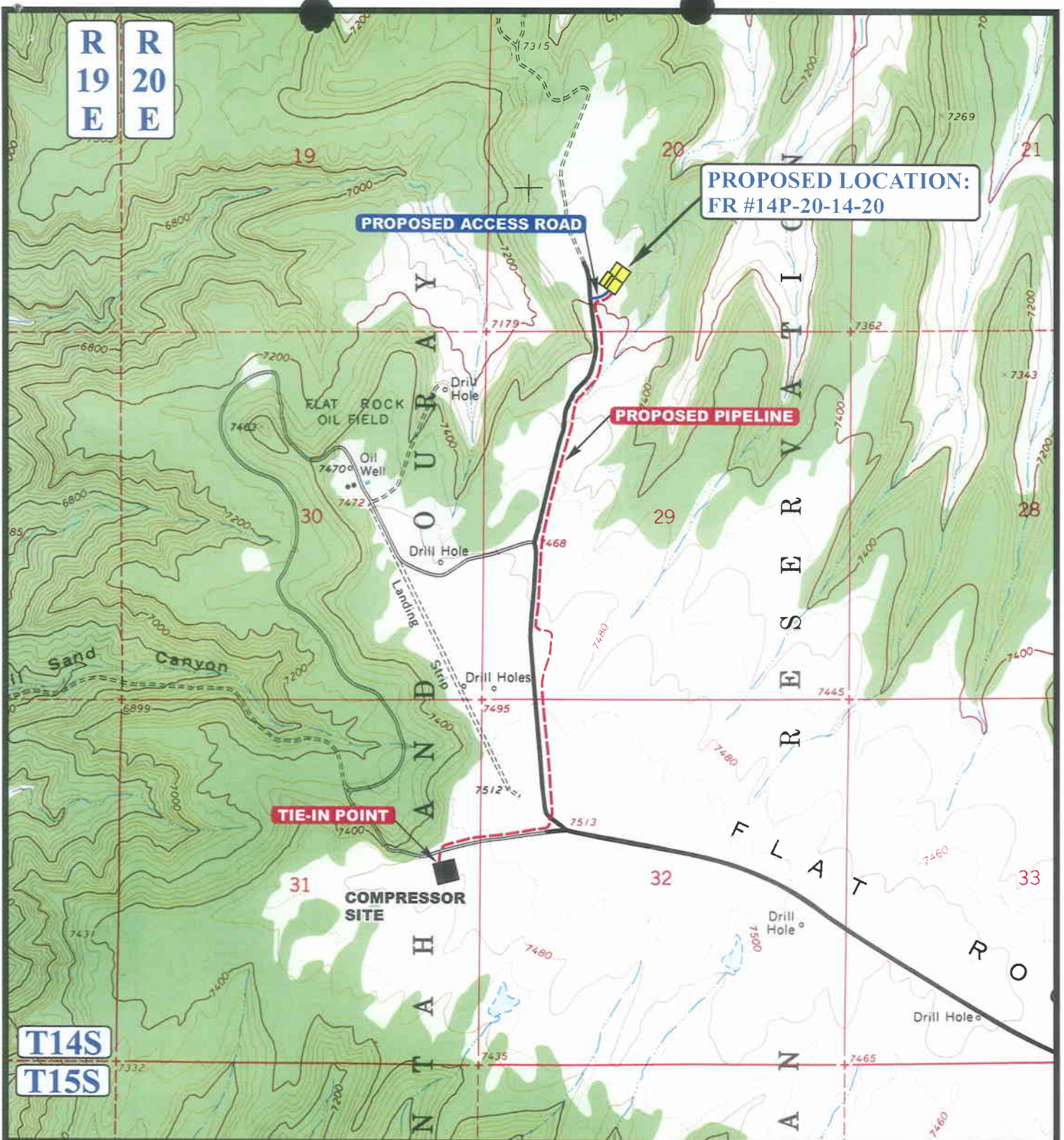
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
MAP

02 01 07
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: L.K. REVISED: 00-00-00





APPROXIMATE TOTAL PIPELINE DISTANCE = 9,976' +/-

LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- PROPOSED PIPELINE
- PROPOSED PIPELINE (SERVICING OTHER WELLS)



Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813



QUESTAR EXPLR. & PROD.

FR #14P-20-14-20
SECTION 20, T14S, R20E, S.L.B.&M.
758' FSL 1838' FWL

**TOPOGRAPHIC
MAP**

02 01 07
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: L.K. REVISED: 00-00-00



WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 03/26/2007

API NO. ASSIGNED: 43-047-39168

WELL NAME: FR 14P-20-14-20

OPERATOR: QUESTAR EXPLORATION & (N5085)

PHONE NUMBER: 435-781-4032

CONTACT: JAN NELSON

PROPOSED LOCATION:

SESW 20 140S 200E

SURFACE: 0758 FSL 1838 FWL

BOTTOM: 0758 FSL 1838 FWL

COUNTY: Uintah

LATITUDE: 39.57965 LONGITUDE: -109.7040

UTM SURF EASTINGS: 611307 NORTHINGS: 4381697

FIELD NAME: UNDESIGNATED (2)

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-10164

PROPOSED FORMATION: WINGT

SURFACE OWNER: 2 - Indian

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

☒ Plat

☒ Bond: Fed[1] Ind[] Sta[] Fee[]
(No. ESB000024)

☒ Potash (Y/N)

☒ Oil Shale 190-5 (B) or 190-3 or 190-13

☒ Water Permit
(No. 49-2183)

☒ RDCC Review (Y/N)
(Date:)

☒ Fee Surf Agreement (Y/N)

☒ Intent to Commingle (Y/N)

LOCATION AND SITING:

___ R649-2-3.

Unit: _____

☒ R649-3-2. General

Siting: 460 From Qtr/Qtr & 920' Between Wells

___ R649-3-3. Exception

___ Drilling Unit

Board Cause No: _____

Eff Date: _____

Siting: _____

___ R649-3-11. Directional Drill

COMMENTS: _____

STIPULATIONS: _____

1- Fed Ind Approval
2- Spacing Strip

T14S R20E

20

FR 14P-20-14-20

UTE TRIBAL
30-5A

DEL-RIO/ORION
29-10ADJP

FLAT ROCK
3-29-14-20

FLAT ROCK FIELD

OPERATOR: QUESTAR EXPL & PROD (N5085)

SEC: 20 T.14S R. 20E

FIELD: UNDESIGNATED (002)

COUNTY: UINTAH

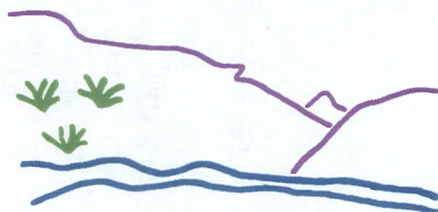
SPACING: R649-3-2 / GENERAL SITING

Field Status
 ABANDONED
 ACTIVE
 COMBINED
 INACTIVE
 PROPOSED
 STORAGE
 TERMINATED

Unit Status
 EXPLORATORY
 GAS STORAGE
 NF PP OIL
 NF SECONDARY
 PENDING
 PI OIL
 PP GAS
 PP GEOTHERML
 PP OIL
 SECONDARY
 TERMINATED

Wells Status

GAS INJECTION
 GAS STORAGE
 LOCATION ABANDONED
 NEW LOCATION
 PLUGGED & ABANDONED
 PRODUCING GAS
 PRODUCING OIL
 SHUT-IN GAS
 SHUT-IN OIL
 TEMP. ABANDONED
 TEST WELL
 WATER INJECTION
 WATER SUPPLY
 WATER DISPOSAL
 DRILLING



Utah Oil Gas and Mining



PREPARED BY: DIANA MASON
DATE: 27-MARCH-2007



State of Utah

**Department of
Natural Resources**

MICHAEL R. STYLER
Executive Director

**Division of
Oil, Gas & Mining**

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

March 28, 2007

Questar Exploration & Production, CO
1571 E 1700 S
Vernal, Ut 84078

Re: FR 14P-20-14-20 Well, 758' FSL, 1838' FWL, SE SW, Sec. 20, T. 14 South,
R. 20 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-39168.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Uintah County Assessor (via e-mail)
Bureau of Land Management, Vernal District Office

Operator: Questar Exploration & Production, CO
Well Name & Number FR 14P-20-14-20
API Number: 43-047-39168
Lease: UTU-10164

Location: SE SW **Sec.** 20 **T.** 14 South **R.** 20 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division with 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (801) 538-5281 office
(801) 733-0983 home

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED
OMB No. 1004-0135
Expires July 31, 1996

5. Lease Serial No.

UT10164

6. If Indian, Allottee or Tribe Name

UTE TRIBE

7. If Unit or CA/Agreement, Name and/or No.

N/A

WONSITS VALLEY UNIT

FR 14P-20-14-20

9. API Well No.

43-047-39168

10. Field and Pool, or Exploratory Area

UNDESIGNATED

11. County or Parish, State

Uintah

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

QUESTAR EXPLORATION & PRODUCTION, CO. JIM DAVIDSON

3a. Address

1571 East 1700 South, Vernal, UT 84078

3b. Phone No. (include area code)

303-308-3090

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

758' FSL 1838' FWL SESW SECTION 20, T14S, R20E

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input checked="" type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once Testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Questar Exploration & Production, Co. proposes to change the casing and cement program from what was originally approved. Please refer to revised 8-point drilling plan, cement and casing depth.

Accepted by the
Utah Division of
Oil, Gas and Mining

Federal Approval Of This
Action Is Necessary

COPY SENT TO OPERATOR

Date: 5/22/07
Initials: CHP

Date: 5/18/07

By: D. A. K. West

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Jan Nelson

Signature

Jan Nelson

Title

Regulatory Affairs

Date

May 14, 2007

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

RECEIVED

MAY 15 2007

DIV. OF OIL, GAS & MINING

CONFIDENTIAL

ONSHORE OIL & GAS ORDER NO. 1
QUESTAR EXPLORATION & PRODUCTION, CO.
FLAT ROCK 14P-20-14-20

ONSHORE OIL & GAS ORDER NO. 1
Approval of Operations on Onshore
Federal Oil and Gas Leases

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

1. Formation Tops

The estimated tops of important geologic markers are as follows:

Formation	TVD	MD	Prod. Phase Anticipated
Green River	Sfc	Sfc	
Wasatch	2182	2182	
Mesa Verde	4175	4175	Gas
Castlegate	6203	6203	
Mancos	6963	6963	
Dakota Silt	10,530	10,530	
Dakota	10,625	10,625	Gas
Cedar Mountain	10,705	10,705	
Morrison	10,915	10,915	
Curtis	11,470	11,470	
Entrada	11,550	11,550	Gas
Carmel	11,875	11,875	
Wingate	12,085	12,085	Gas
TD	12,385	12,385	

2. Anticipated Depths of Oil Gas Water and Other Mineral Bearing Zones

The estimated depths at which the top and bottom of the anticipated water, oil, gas. Or other mineral bearing formations are expected to be encountered are as follows:

Substance	Formation	TVD Depth	MD Depth
Gas	Mesa Verde	4,175'	4,175'
Gas	Dakota	10,625'	10,625'
Gas	Entrada	11,550'	11,550'
Gas	Wingate	12,085'	12,085'

ONSHORE OIL & GAS ORDER NO. 1
QUESTAR EXPLORATION & PRODUCTION, CO.
FLAT ROCK 14P-20-14-20

All fresh water and prospectively valuable minerals encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

All water shows and water-bearing sands will be reported to the BLM in Vernal, Utah. Copies of State of Utah form OGC-8-X are acceptable. If no flows are detected, samples will be submitted to the BLM along with any water analyses conducted. Fresh water will be obtained from Willow Creek water right #49-2183 / Permit# T75500.

All waste water resulting from drilling operations will be disposed of at RNI disposal pit located in NWNE Section 5, T9S, R22E.

3. Operator's Specification for Pressure Control Equipment:

- A. 5,000 psi W.P. Double Gate BOP or Single Gate BOP (schematic attached)
- B. Functional test daily
- C. All casing strings shall be pressure tested (0.2 psi/foot or 1500 psi, or 70 % of burst whichever is greater) prior to drilling the plug after cementing; test pressure shall not exceed the internal yield pressure of the casing.
- D. Ram type preventers and associated equipment shall be tested to approved stack working pressure if isolated by test plug or to 50 percent of internal yield pressure of casing whichever is less. BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc..., for a 5M system and individual components shall be operable as designed.

4. Casing Program

	<u>Depth</u>	<u>Hole Size</u>	<u>Csg Size</u>	<u>Type</u>	<u>Weight</u>
Surface	500'	14-3/4"	10-3/4"	J-55	40.5lb/ft (STC)
Intermediate	3600'	9-7/8"	7 5/8"	P-110	29.7lb/ft (LTC)
Production	TD	6 1/2"	4 1/2"	P-110	13.5lb/ft (LTC)

ONSHORE OIL & GAS ORDER NO. 1
QUESTAR EXPLORATION & PRODUCTION, CO.
FLAT ROCK 14P-20-14-20

5. Auxiliary Equipment

- A. Kelly Cock – yes
- B. Float at the bit – no
- C. Monitoring equipment on the mud system – visually
- D. Full opening safety valve on the rig floor – yes
- E. Rotating Head – yes
If drilling with air the following will be used:
- F. The blooie line shall be at least 6" in diameter and extend at least 100' from the well bore into the reserve/blooie pit.
- G. Blooie line ignition shall be provided by a continuous pilot (ignited when drilling below 500').
- H. Compressor shall be tied directly to the blooie line through a manifold.
- I. A mister with a continuous stream of water shall be installed near the end of the blooie lines for dust suppression.

Surface hole will be drilled with air, air/mist, foam, or mud depending on hole conditions. Drilling below surface casing will be with water based drilling fluids consisting primarily of fresh water, bentonite, lignite, caustic, lime, soda ash and polymers. No chromates will be used. It is not intended to use oil in the mud, however, in the event it is used, oil concentration will be less than 4% by volume. Maximum anticipated mud weight is 9.5 ppg.

No minimum quantity of weight material will be required to be kept on location.

PVT/Flow Show will be used from base of surface casing to TD.

Gas detector will be used from surface casing depth to TD.

6. Testing, logging and coring program

- A. Cores – none anticipated
- B. DST – none anticipated

ONSHORE OIL & GAS ORDER NO. 1
QUESTAR EXPLORATION & PRODUCTION, CO.
FLAT ROCK 14P-20-14-20

Logging – Mud logging – 4500 to TD
GR-SP-Induction
Neutron Density
FMI

- C. Formation and Completion Interval: Wingate interval, final determination of completion will be made by analysis of logs.
Stimulation – Stimulation will be designed for the particular area of interest as encountered.

7. Cementing Program

See attached Cementing Recommendation.

*Final cement volumes to be calculated from caliper log with an attempt to be made to circulate cement to the surface. A bond log will be run across the zone of interest and across zones as required by the authorized officer to insure protection of natural resources.

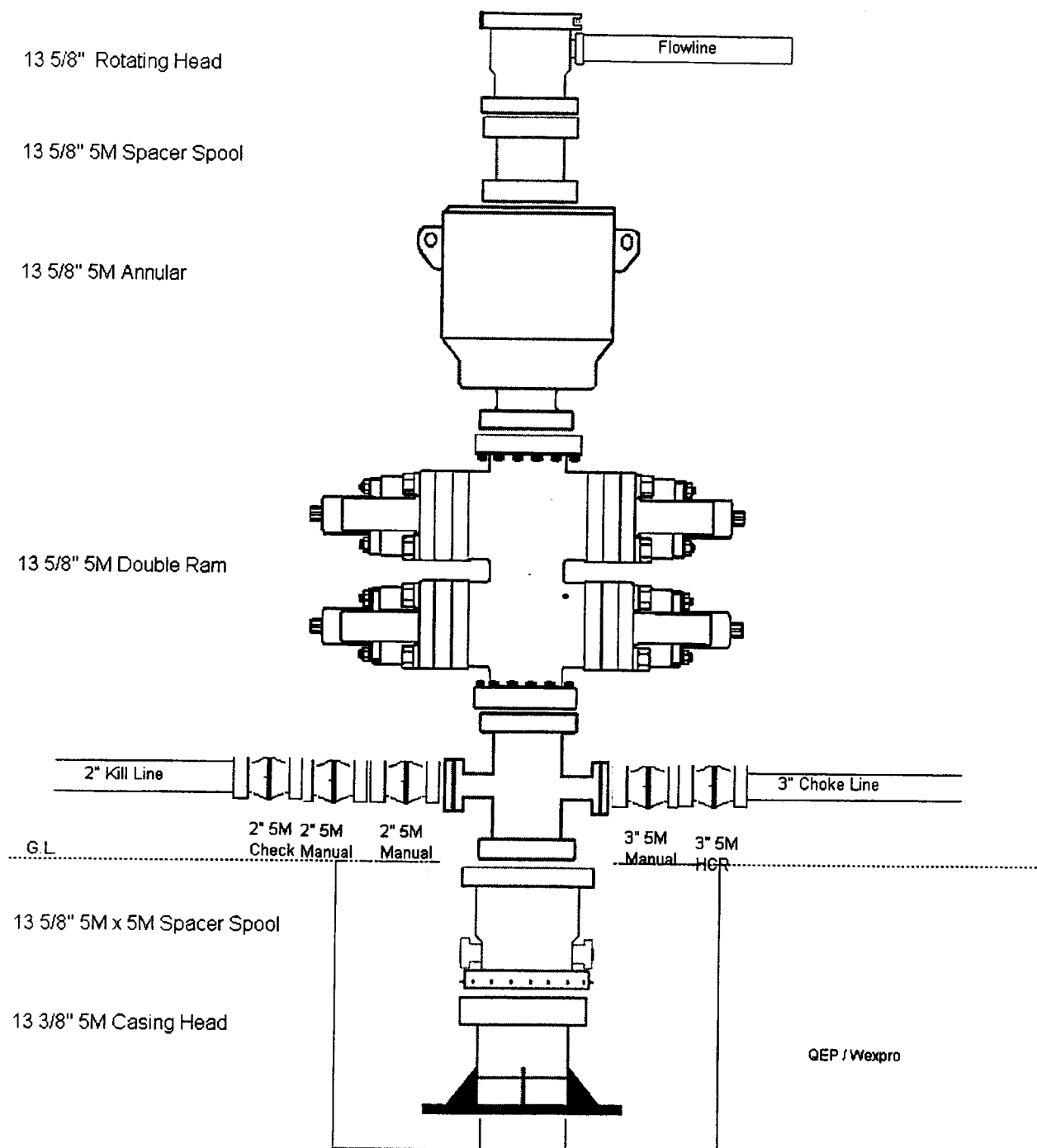
8. Anticipated Abnormal Pressures and Temperatures, Other Potential Hazards

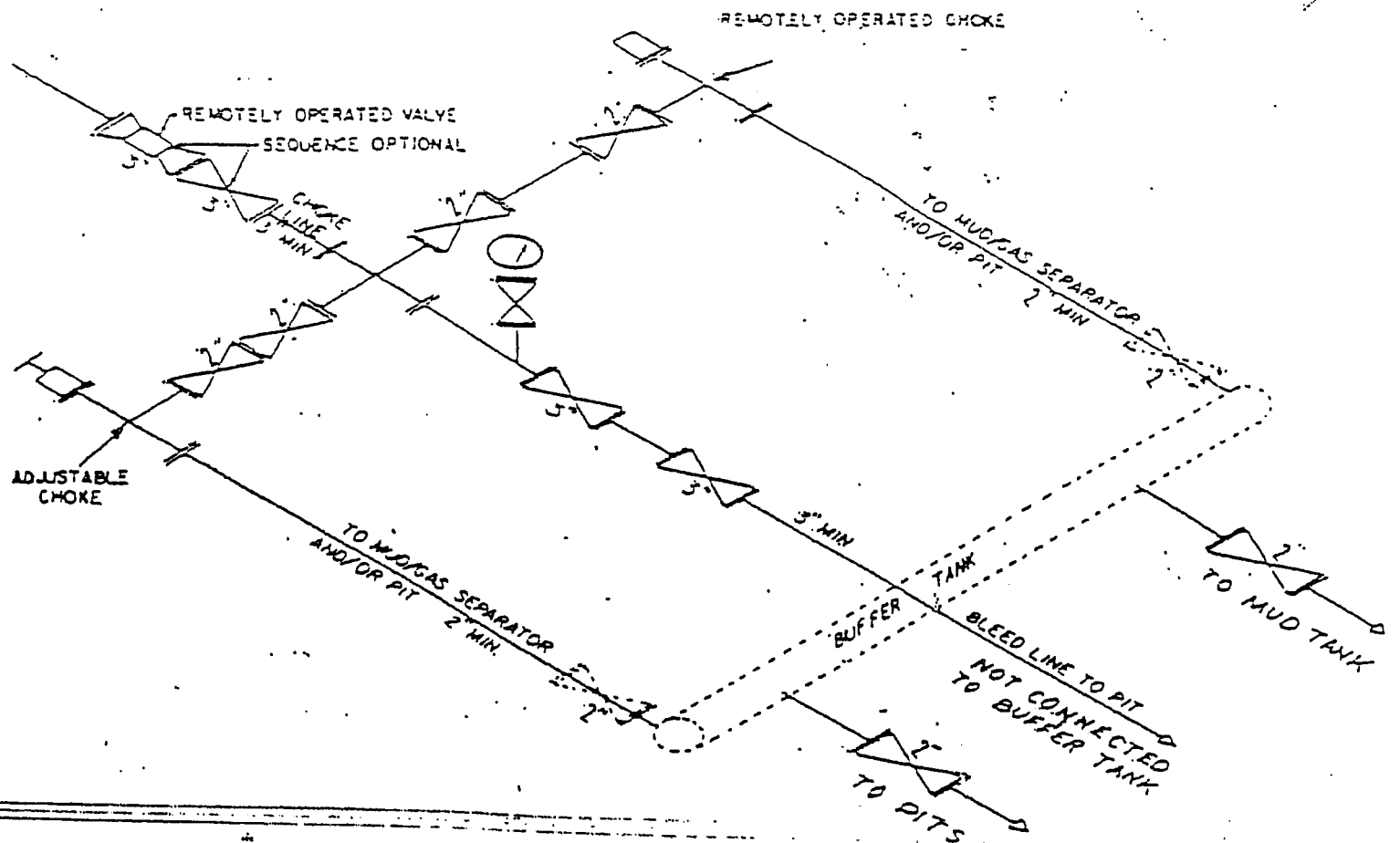
No abnormal temperatures or pressures are anticipated. No H₂S has been encountered in or known to exist from previous wells drilled to similar depths in the general area. Maximum anticipated bottom hole pressure equals approximately 5522 psi. Maximum anticipated bottom hole temperature is 220° F.

9. Surface Owner

The well pad and access road are located on lands owned by the Ute Tribe.

DRILLING PROGRAM





② 5M CHOKER MANIFOLD EQUIPMENT — CONFIGURATION OF CHOKERS MAY VARY



Q. E. P.
1050 17th Street Suite 500
Denver, Colorado 80265

Flat Rock 14P-20-14-20
Flat Rock Field
Uintah County, Utah
United States of America

Multiple String Cement Recommendation

Prepared for: Mr. Jim Davidson
May 10, 2007
Version: 2

Submitted by:
Aaron James
Halliburton Energy Services
1125 17th St Suite 1900
Denver, Colorado 80202
303.899.4717

HALLIBURTON

Cementing Best Practices

1. **Cement quality and weight:** You must choose a cement slurry that is designed to solve the problems specific to each casing string.
2. **Waiting time:** You must hold the cement slurry in place and under pressure until it reaches its' initial set without disturbing it. A cement slurry is a time-dependent liquid and must be allowed to undergo a hydration reaction to produce a competent cement sheath. A fresh cement slurry can be worked (thickening or pump time) as long as it is in a plastic state and before going through its' transition phase. If the cement slurry is not allowed to transition without being disturbed, it may be subjected to changes in density, dilution, settling, water separation, and gas cutting that may lead to a lack of zonal isolation and possible bridging in the annulus.
3. **Pipe movement:** Pipe movement may be one of the single most influential factors in mud removal. Reciprocation and/or rotation mechanically breaks up gelled mud and changes the flow patterns in the annulus to improve displacement efficiency.
4. **Mud properties (for cementing):**
Rheology:
Plastic Viscosity (PV) < 15 centipoise (cp)
Yield Point (YP) < 10 lb/100 ft²
These properties should be reviewed with the Mud Engineer, Drilling Engineer, and Company Representative(s) to ensure no hole problems are created.
Gel Strength:
The 10-second/10-minute gel strength values should be such that the 10-second and 10-minute readings are close together or flat (i.e., 5/6). The 30-minute reading should be less than 20 lb/100 ft². Sufficient shear stress may not be achieved on a primary cement job to remove mud left in the hole if the mud were to develop more than 25 lb/100 ft² of gel strength.
Fluid Loss:
Decreasing the filtrate loss into a permeable zone enhances the creation of a thin, competent filter cake. A thin, competent filter cake created by a low fluid loss mud system is desirable over a thick, partially gelled filter cake. A mud system created with a low fluid loss will be more easily displaced. The fluid loss value should be < 15 cc's (ideal would be 5 cc's).
5. **Circulation:** Prior to cementing circulate full hole volume twice, or until well conditioned mud is being returned to the surface. There should be no cutting in the mud returns. An annular velocity of 260 feet per minute is optimum (SPE/IADC 18617), if possible.
6. **Flow rate:** Turbulent flow is the most desirable flow regime for mud removal. If turbulence cannot be achieved pump at as high a flow rate that can practically and safely be used to create the maximum flow energy. The highest mud removal is achieved when the maximum flow energy is obtained.
7. **Pipe Centralization:** This Cement will take the path of least resistance, therefore proper centralization is important to help prevent the casing from contacting the borehole wall. A minimum standoff of 70% should be targeted for optimum displacement efficiency.
8. **Rat hole:** A weighted viscous pill placed in the rat hole prior to cementing will minimize the risk of higher density cement mixing with lower density mud when the well is static.
9. **Top and Bottom plugs:** A top and bottom plug are recommended to be run on all primary casing jobs. The bottom plug should be run after the spacer and ahead of the first cement slurry.
10. **Spacers and flushes:** Spacers and/or flushes should be used to prevent contamination between the cement slurry and the drilling fluid. They are also used to clean the wellbore and aid with bonding. To determine the volume, either a minimum of 10 minutes contact time or 1000 ft. of annular fill, whichever is greater, is recommended.

Job Information

Cement Surface Casing

Flat Rock	14P-20-14-20
14 3/4" Open Hole	0 - 500 ft (MD) 0 - 500 ft (TVD)
Inner Diameter	14.750 in
Job Excess	100 %
Surface Casing	0 - 500 ft (MD) 0 - 500 ft (TVD)
Outer Diameter	10.750 in
Inner Diameter	10.050 in
Linear Weight	40.50 lbm/ft
Casing Grade	J-55
Job Excess	0 %
Mud Type	Air

Calculations

Cement Surface Casing

Spacer:

$$\begin{aligned}\text{Total Spacer} &= 112.29 \text{ ft}^3 \\ &= 20.00 \text{ bbl}\end{aligned}$$

Cement : (500.00 ft fill)

$$\begin{aligned}500.00 \text{ ft} * 0.5563 \text{ ft}^3/\text{ft} * 100 \% &= 556.32 \text{ ft}^3 \\ \text{Primary Cement} &= 556.32 \text{ ft}^3 \\ &= 99.09 \text{ bbl}\end{aligned}$$

Shoe Joint Volume: (42.00 ft fill)

$$\begin{aligned}42.00 \text{ ft} * 0.5509 \text{ ft}^3/\text{ft} &= 23.14 \text{ ft}^3 \\ &= 4.12 \text{ bbl} \\ \text{Tail plus shoe joint} &= 579.46 \text{ ft}^3 \\ &= 103.21 \text{ bbl} \\ \text{Total Tail} &= 322 \text{ sks}\end{aligned}$$

Total Pipe Capacity:

$$\begin{aligned}500.00 \text{ ft} * 0.5509 \text{ ft}^3/\text{ft} &= 275.44 \text{ ft}^3 \\ &= 49.06 \text{ bbl}\end{aligned}$$

Displacement Volume to Shoe Joint:

$$\begin{aligned}\text{Capacity of Pipe - Shoe Joint} &= 49.06 \text{ bbl} - 4.12 \text{ bbl} \\ &= 44.94 \text{ bbl}\end{aligned}$$

Job Recommendation

Cement Surface Casing

Fluid Instructions

Fluid 1: Water Based Spacer

Gel Water

Fluid Density: 8.34 lbm/gal

Fluid Volume: 20 bbl

Fluid 2: Primary Cement

Rockies LT

0.25 lbm/sk Kwik Seal (Lost Circulation Additive)

0.125 lbm/sk Poly-E-Flake (Lost Circulation Additive)

Fluid Weight 13.50 lbm/gal

Slurry Yield: 1.80 ft³/sk

Total Mixing Fluid: 9.33 Gal/sk

Top of Fluid: 0 ft

Calculated Fill: 500 ft

Volume: 103.21 bbl

Calculated Sacks: 321.92 sks

Proposed Sacks: 330 sks

Fluid 3: Water Spacer

Water Displacement

Fluid Density: 8.34 lbm/gal

Fluid Volume: 44.94 bbl

Fluid 4: Top Out Cement

Premium Plus - Type III

94 lbm/sk Premium Plus - Type III (Cement-api)

2 % Calcium Chloride (Accelerator)

Fluid Weight 14.50 lbm/gal

Slurry Yield: 1.41 ft³/sk

Total Mixing Fluid: 6.86 Gal/sk

Proposed Sacks: 200 sks

Detailed Pumping Schedule

Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Estimated Avg Rate bbl/min	Downhole Volume
1	Spacer	Gel Water	8.3	5.0	20 bbl
2	Cement	Rockies LT Cement	13.5	5.0	330 sks
3	Spacer	Water Displacement	8.3	5.0	44.94 bbl
4	Cement	Top Out Cement	14.5	1.5	200 sks

Job Information

Cement Intermediate Casing

Flat Rock	14P-20-14-20
Surface Casing	0 - 500 ft (MD) 0 - 500 ft (TVD)
Outer Diameter	10.750 in
Inner Diameter	10.050 in
Linear Weight	40.50 lbm/ft
Casing Grade	J-55
Job Excess	0 %
9 7/8" Open Hole	500 - 3600 ft (MD)
Inner Diameter	9.875 in
Job Excess	50 %
Intermediate Casing	0 - 3600 ft (MD)
Outer Diameter	7.625 in
Inner Diameter	6.875 in
Linear Weight	29.70 lbm/ft
Casing Grade	P-110
Job Excess	0 %
Mud Type	Aerated
Mud Weight	8.40 lbm/gal
BHCT	95 degF

Calculations

Cement Intermediate Casing

Spacer:

$$\begin{aligned}\text{Total Spacer} &= 56.15 \text{ ft}^3 \\ &= 10.00 \text{ bbl}\end{aligned}$$

Spacer:

$$\begin{aligned}\text{Total Spacer} &= 112.29 \text{ ft}^3 \\ &= 20.00 \text{ bbl}\end{aligned}$$

Spacer:

$$\begin{aligned}\text{Total Spacer} &= 56.15 \text{ ft}^3 \\ &= 10.00 \text{ bbl}\end{aligned}$$

Cement : (2100.00 ft fill)

$$\begin{aligned}500.00 \text{ ft} * 0.2338 \text{ ft}^3/\text{ft} * 0 \% &= 116.89 \text{ ft}^3 \\ 1600.00 \text{ ft} * 0.2148 \text{ ft}^3/\text{ft} * 50 \% &= 515.42 \text{ ft}^3 \\ \text{Total Foamed Lead Cement} &= 632.31 \text{ ft}^3 \\ &= 112.62 \text{ bbl} \\ \text{Sacks of Cement} &= 251 \text{ sks}\end{aligned}$$

Cement : (1000.00 ft fill)

$$\begin{aligned}1000.00 \text{ ft} * 0.2148 \text{ ft}^3/\text{ft} * 50 \% &= 322.14 \text{ ft}^3 \\ \text{Total Foamed Lead Cement} &= 322.14 \text{ ft}^3 \\ &= 57.37 \text{ bbl} \\ \text{Sacks of Cement} &= 166 \text{ sks}\end{aligned}$$

Cement : (500.00 ft fill)

$$\begin{aligned}500.00 \text{ ft} * 0.2148 \text{ ft}^3/\text{ft} * 50 \% &= 161.07 \text{ ft}^3 \\ \text{Tail Cement} &= 161.07 \text{ ft}^3 \\ &= 28.69 \text{ bbl}\end{aligned}$$

Shoe Joint Volume: (42.00 ft fill)

$$\begin{aligned}42.00 \text{ ft} * 0.2578 \text{ ft}^3/\text{ft} &= 10.83 \text{ ft}^3 \\ &= 1.93 \text{ bbl} \\ \text{Tail plus shoe joint} &= 171.90 \text{ ft}^3 \\ &= 30.62 \text{ bbl} \\ \text{Total Tail} &= 117 \text{ sks}\end{aligned}$$

Total Pipe Capacity:

$$\begin{aligned}3600.00 \text{ ft} * 0.2578 \text{ ft}^3/\text{ft} &= 928.06 \text{ ft}^3 \\ &= 165.29 \text{ bbl}\end{aligned}$$

Displacement Volume to Shoe Joint:

$$\begin{aligned}\text{Capacity of Pipe - Shoe Joint} &= 165.29 \text{ bbl} - 1.93 \text{ bbl} \\ &= 163.37 \text{ bbl}\end{aligned}$$

Job Recommendation

Cement Intermediate Casing

Fluid Instructions

Fluid 1: Water Spacer

Fresh Water Ahead

Fluid Density: 8.34 lbm/gal

Fluid Volume: 10 bbl

Fluid 2: Reactive Spacer

Super Flush

68 lbm/bbl Halliburton Super Flush (Flush/spacer Additive)

Fluid Density: 9.20 lbm/gal

Fluid Volume: 20 bbl

Fluid 3: Water Spacer

Fresh Water Behind

Fluid Density: 8.34 lbm/gal

Fluid Volume: 10 bbl

Fluid 4: Foamed Lead Cement

50/50 Poz Premium

0.1 % HALAD-766 (Low Fluid Loss Control)

5 lbm/sk Silicalite Compacted (Light Weight Additive)

20 % SSA-1 (Cement Material)

0.1 % Versaset (Thixotropic Additive)

1.5 % Zonesealant 2000 (Foamer)

Foamed Fluid Weight 8.5 lbm/gal

Fluid Weight 14.30 lbm/gal

Slurry Yield: 1.47 ft³/sk

Total Mixing Fluid: 6.39 Gal/sk

Top of Fluid: 0 ft

Calculated Fill: 2100 ft

Volume: 112.62 bbl

Calculated Sacks: 251.13 sks

Proposed Sacks: 260 sks

Fluid 5: Foamed Lead Cement

50/50 Poz Premium

0.1 % HALAD-766 (Low Fluid Loss Control)

5 lbm/sk Silicalite Compacted (Light Weight Additive)

20 % SSA-1 (Cement Material)

0.1 % Versaset (Thixotropic Additive)

1.5 % Zonesealant 2000 (Foamer)

Foamed Fluid Weight 11.0 lbm/gal

Fluid Weight 14.30 lbm/gal

Slurry Yield: 1.47 ft³/sk

Total Mixing Fluid: 6.39 Gal/sk

Top of Fluid: 2100 ft

Calculated Fill: 1000 ft

Volume: 57.37 bbl

Calculated Sacks: 165.53 sks

Proposed Sacks: 170 sks

Fluid 6: Tail Cement

50/50 Poz Premium

0.1 % HALAD-766 (Low Fluid Loss Control)

5 lbm/sk Silicalite Compacted (Light Weight Additive)

20 % SSA-1 (Cement Material)

0.1 % Versaset (Thixotropic Additive)

Fluid Weight 14.30 lbm/gal

Slurry Yield: 1.47 ft³/sk

Total Mixing Fluid: 6.39 Gal/sk

Top of Fluid: 3100 ft

Calculated Fill: 500 ft

Volume: 30.62 bbl

Calculated Sacks: 117.02 sks

Proposed Sacks: 120 sks

Fluid 7: Water Spacer
Displacement

Fluid Density: 8.34 lbm/gal
Fluid Volume: 163.37 bbl

Fluid 8: Top Out Cement

Premium Cement

94 lbm/sk Premium Cement (Cement)

12 % Cal-Seal 60 (Accelerator)

3 % Calcium Chloride (Accelerator)

Fluid Weight 14.60 lbm/gal
Slurry Yield: 1.55 ft³/sk
Total Mixing Fluid: 7.35 Gal/sk
Proposed Sacks: 75 sks

Detailed Pumping Schedule

Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Estimated Avg Rate bbl/min	Downhole Volume
1	Spacer	Fresh Water Ahead	8.3	5.0	10 bbl
2	Spacer	Super Flush	9.2	5.0	20 bbl
3	Spacer	Fresh Water Behind	8.3	5.0	10 bbl
4	Cement	8.5 ppg Foamed Cement	14.3	5.0	260 sks
5	Cement	11 ppg Foamed Cement	14.3	5.0	170 sks
6	Cement	Unfoamed Tail	14.3	5.0	120 sks
7	Spacer	Displacement	8.3	7.0	163.37 bbl
8	Cement	Cap Cement	14.6	1.5	75 sks

Foam Output Parameter Summary:

Fluid #	Fluid Name	Unfoamed Liquid Volume	Beginning Density lbm/gal	Ending Density lbm/gal	Beginning Rate scf/bbl	Ending Rate scf/bbl
Stage 1						
4	8.5 ppg Foamed Cement	65.70bbl	8.5	8.5	23.3	276.6
5	11 ppg Foamed Cement	43.31bbl	11.0	11.0	120.0	191.0

Foam Design Specifications:

Foam Calculation Method: Constant Density

Backpressure: 75 psig

Bottom Hole Circulating Temp: 90 degF

Mud Outlet Temperature: 80 degF

Calculated Gas = 16800.4 scf

Additional Gas = 40000 scf

Total Gas = 56800.4 scf

Job Information

Cement Production Casing

Flat Rock

14P-20-14-20

Intermediate Casing

0 - 3600 ft (MD)

Outer Diameter

7.625 in

Inner Diameter

6.875 in

Linear Weight

29.70 lbm/ft

Casing Grade

P-110

Job Excess

0 %

6 1/2" Open Hole

3600 - 12385 ft (MD)

Inner Diameter

6.500 in

Job Excess

40 %

Production Casing

0 - 12385 ft (MD)

Outer Diameter

4.500 in

Inner Diameter

3.920 in

Linear Weight

13.50 lbm/ft

Casing Grade

P-110

Job Excess

0 %

Mud Type

Water Based Mud

Mud Weight

9.20 lbm/gal

BHST

220 degF

BHCT

180 degF

Calculations

Cement Production Casing

Spacer:

$$\begin{aligned} 381.00 \text{ ft} * 0.1473 \text{ ft}^3/\text{ft} * 0 \% &= 56.14 \text{ ft}^3 \\ \text{Total Spacer} &= 56.15 \text{ ft}^3 \\ &= 10.00 \text{ bbl} \end{aligned}$$

Spacer:

$$\begin{aligned} 762.00 \text{ ft} * 0.1473 \text{ ft}^3/\text{ft} * 0 \% &= 112.28 \text{ ft}^3 \\ \text{Total Spacer} &= 112.29 \text{ ft}^3 \\ &= 20.00 \text{ bbl} \end{aligned}$$

Spacer:

$$\begin{aligned} 381.00 \text{ ft} * 0.1473 \text{ ft}^3/\text{ft} * 0 \% &= 56.14 \text{ ft}^3 \\ \text{Total Spacer} &= 56.15 \text{ ft}^3 \\ &= 10.00 \text{ bbl} \end{aligned}$$

Cement : (8785.00 ft fill)

$$\begin{aligned} 500.00 \text{ ft} * 0.1473 \text{ ft}^3/\text{ft} * 0 \% &= 73.67 \text{ ft}^3 \\ 8285.00 \text{ ft} * 0.12 \text{ ft}^3/\text{ft} * 40 \% &= 1391.78 \text{ ft}^3 \\ \text{Total Foamed Lead Cement} &= 1465.45 \text{ ft}^3 \\ &= 261.01 \text{ bbl} \\ \text{Sacks of Cement} &= 728 \text{ sks} \end{aligned}$$

Cement : (500.00 ft fill)

$$\begin{aligned} 500.00 \text{ ft} * 0.12 \text{ ft}^3/\text{ft} * 40 \% &= 83.99 \text{ ft}^3 \\ \text{Tail Cement} &= 83.99 \text{ ft}^3 \\ &= 14.96 \text{ bbl} \end{aligned}$$

Shoe Joint Volume: (42.00 ft fill)

$$\begin{aligned} 42.00 \text{ ft} * 0.0838 \text{ ft}^3/\text{ft} &= 3.52 \text{ ft}^3 \\ &= 0.63 \text{ bbl} \\ \text{Tail plus shoe joint} &= 87.51 \text{ ft}^3 \\ &= 15.59 \text{ bbl} \\ \text{Total Tail} &= 59 \text{ sks} \end{aligned}$$

Total Pipe Capacity:

$$\begin{aligned} 12385.00 \text{ ft} * 0.0838 \text{ ft}^3/\text{ft} &= 1038.00 \text{ ft}^3 \\ &= 184.87 \text{ bbl} \end{aligned}$$

Displacement Volume to Shoe Joint:

$$\begin{aligned} \text{Capacity of Pipe - Shoe Joint} &= 184.87 \text{ bbl} - 0.63 \text{ bbl} \\ &= 184.25 \text{ bbl} \end{aligned}$$

Job Recommendation

Cement Production Casing

Fluid Instructions

Fluid 1: Water Spacer

Fresh Water Ahead

Fluid Density: 8.34 lbm/gal

Fluid Volume: 10 bbl

Fluid 2: Reactive Spacer

Super Flush

Fluid Density: 9.20 lbm/gal

Fluid Volume: 20 bbl

Fluid 3: Water Spacer

Fresh Water Behind

Fluid Density: 8.34 lbm/gal

Fluid Volume: 10 bbl

Fluid 4: Foamed Lead Cement

50/50 Poz Premium

0.3 % HALAD-766 (Low Fluid Loss Control)

5 lbm/sk Silicalite Compacted (Light Weight Additive)

20 % SSA-1 (Cement Material)

0.2 % Versaset (Thixotropic Additive)

1.5 % Zonesealant 2000 (Foamer)

Foamed Fluid Weight 11.00 lbm/gal

Fluid Weight 14.30 lbm/gal

Slurry Yield: 1.47 ft³/sk

Total Mixing Fluid: 6.39 Gal/sk

Top of Fluid: 3100 ft

Calculated Fill: 8785 ft

Volume: 261.01 bbl

Calculated Sacks: 727.90 sks

Proposed Sacks: 730 sks

Fluid 5: Tail Cement

50/50 Poz Premium

0.3 % HALAD-766 (Low Fluid Loss Control)

5 lbm/sk Silicalite Compacted (Light Weight Additive)

20 % SSA-1 (Cement Material)

0.2 % Versaset (Thixotropic Additive)

1.5 % Zonesealant 2000 (Foamer)

Fluid Weight 14.30 lbm/gal

Slurry Yield: 1.47 ft³/sk

Total Mixing Fluid: 6.39 Gal/sk

Top of Fluid: 11885 ft

Calculated Fill: 500 ft

Volume: 15.59 bbl

Calculated Sacks: 59.49 sks

Proposed Sacks: 60 sks

Fluid 6: Water Spacer

Displacement

Fluid Density: 8.34 lbm/gal

Fluid Volume: 317.52 bbl

Fluid 7: Top Out Cement

Premium Cement

94 lbm/sk Premium Cement (Cement)

12 % Cal-Seal 60 (Accelerator)

3 % Calcium Chloride (Accelerator)

Fluid Weight 14.60 lbm/gal

Slurry Yield: 1.55 ft³/sk

Total Mixing Fluid: 7.35 Gal/sk

Proposed Sacks: 75 sks

Job Procedure**Cement Production Casing****Detailed Pumping Schedule**

Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Estimated Avg Rate bbl/min	Downhole Volume
1	Spacer	Fresh Water Ahead	8.3	5.0	10 bbl
2	Spacer	Super Flush	9.2	5.0	20 bbl
3	Spacer	Fresh Water Behind	8.3	5.0	10 bbl
4	Cement	Foamed Lead	14.3	5.0	730 sks
5	Cement	Unfoamed Tail	14.3	5.0	60 sks
6	Spacer	Displacement	8.3	7.0	317.52 bbl
7	Cement	12/3 Thixo	14.6	1.5	75 sks

Foam Output Parameter Summary:

Fluid #	Fluid Name	Unfoamed Liquid Volume	Beginning Density lbm/gal	Ending Density lbm/gal	Beginning Rate scf/bbl	Ending Rate scf/bbl
Stage 1						
4	Foamed Lead	190.71 bbl	11.0	11.0	167.0	670.9

Foam Design Specifications:

Foam Calculation Method: Constant Density
Backpressure: 75 psig
Bottom Hole Circulating Temp: 180 degF
Mud Outlet Temperature: 120 degF

Calculated Gas = 82099.5 scf
Additional Gas = 40000 scf
Total Gas = 122099.5 scf

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

SUBMIT IN TRIPLICATE*

MAR 26 2007

FORM APPROVED

OMB NO. 1040-0136

Expires: February 28, 1995

APPLICATION FOR PERMIT TO DRILL OR DEEPEN **BLM VERNAL, UTAH**

TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. UTU-10164
TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME UTE TRIBE
2. NAME OF OPERATOR QUESTAR EXPLORATION & PRODUCTION, CO.		7. UNIT AGREEMENT NAME N/A
3. ADDRESS 1571 E 1700 S VERNAL, UT 84078		8. FARM OR LEASE NAME, WELL NO. FR 14P-20-14-20
Contact: Jan Nelson E-Mail: jan.nelson@questar.com		9. API NUMBER: 43,047,39168
Telephone number Phone 435-781-4032 Fax 435-781-4045		10. FIELD AND POOL, OR WILDCAT FLAT ROCK
4. LOCATION OF WELL (Report location clearly and in accordance with and State requirements*) At Surface 758' FSL 1838' FWL SECTION 20 T14S R20E At proposed production zone SESW		11. SEC., T, R, M, OR BLK & SURVEY OR AREA SEC. 20, T14S, R20E Mer SLB
14. DISTANCE IN MILES FROM NEAREST TOWN OR POSTOFFICE* 53+/- MILES FROM OURAY, UTAH		12. COUNTY OR PARISH Uintah
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (also to nearest drig, unit line if any) 758' +/-		13. STATE UT
16. NO. OF ACRES IN LEASE 1760.00		17. NO. OF ACRES ASSIGNED TO THIS WELL 40
18. DISTANCE FROM PROPOSED location to nearest well, drilling, completed, applied for, on this lease, ft 2936' +/-		20. BLM/BIA Bond No. on file ESB000024
19. PROPOSED DEPTH 12,385'		21. ELEVATIONS (Show whether DF, RT, GR, ect.) 7378.3' GR
22. DATE WORK WILL START ASAP		23. Estimated duration 20 Days
24. Attachments		

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan
- A surface Use Plan (if location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification.
- Such other site specific information and/or plans as may be required by the authorized officer.

SIGNED

Jan Nelson

Name (printed/typed) Jan Nelson

DATE 3-23-07

TITLE

Regulatory Affairs

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

RECEIVED

Application approval does not warrant or certify the applicant holds any legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY

Ass. Manager

TITLE

Assistant Field Manager

Lands & Mineral Resources

MAY 16 2007

DATE

5-11-2007

*See Instructions On Reverse Side

Title 18 U.S.C Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the

United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

CONDITIONS OF APPROVAL ATTACHED

Accepted by the
Utah Division of
Oil, Gas and Mining

FOR RECORD ONLY

NOTICE OF APPROVAL

CONFIDENTIAL

075XS0226A



UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE

170 South 500 East VERNAL, UT 84078 (435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Questar Expl. & Prod., Co.
Well No: FR 14P-20-14-20
API No: 43-047-39168

Location: SESW, Sec 20, T14S, R20E
Lease No: UTU-10164
Agreement: N/A

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	James Ashley	(435) 781-4470	(435) 828-7874
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
NRS/Enviro Scientist:	Paul Buhler	(435) 781-4475	(435) 828-4029
NRS/Enviro Scientist:	Karl Wright	(435) 781-4484	
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	
NRS/Enviro Scientist:	Melissa Hawk	(435) 781-4476	(435) 828-7381
NRS/Enviro Scientist:	Chuck MacDonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Jannice Cutler	(435) 781-3400	
NRS/Enviro Scientist:	Michael Cutler	(435) 781-3401	
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	
NRS/Enviro Scientist:	Darren Williams	(435) 781-4447	
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	

Fax: (435) 781-4410

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Location Construction (Notify Environmental Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

***SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)***

SURFACE COAs:

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

SITE SPECIFIC SURFACE COAs

- Additional NEPA analysis is not required. The environmental document and concurrence letter, both prepared by the Uintah and Ouray Agency of the Bureau of Indian Affairs, were received on May 9, 2007, by the Bureau of Land Management, Vernal Field Office. Review of the EA by this office has determined that the document adequately analyzes the proposed action in accordance with Federal Onshore Oil and Gas Order No 1, Approval of Operations and Onshore Federal and Indian Oil and Gas Leases.

DOWNHOLE CONDITIONS OF APPROVAL

SITE SPECIFIC DOWNHOLE COAs:

- An approved Sundry Notice is required before adding any oil to the drilling mud.
- A formation integrity test shall be performed at the intermediate casing shoe after drilling 20 feet or less.
- The intermediate casing shall be cemented to surface.
- The top of the production casing cement shall extend a minimum of 200 feet above the intermediate casing shoe.
- All casing strings below the conductor shall be pressure tested to 0.22 psi/ft or 1500 psi, whichever is greater, but not to exceed 70% of the internal yield strength of the casing.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.

- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location (1/4 1/4, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.

- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.
- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.

- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

State of Utah
Division of Oil, Gas and Mining

ENTITY ACTION FORM - FORM 6

OPERATOR:
ADDRESS:

OPERATOR ACCT. No. N-5085
Questar Exploration & Production, Co.
1571 East 1700 South
Vernal, Utah 84078
(435)781-4342

Action Code	Current Entity No.	New Entity No.	API Number	Well Name	QQ	SC	TP	RG	County	Spud Date	Effective Date
A	99999	16179	43-047-39168	FR 14P 20 14 20	SESW	20	14S	20E	Uintah	5/20/2007	6/14/07

WELL 1 COMMENTS: *WINGT*

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WELL 2 COMMENTS:

WELL 3 COMMENTS:

WELL 4 COMMENTS:

WELL 5 COMMENTS:

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

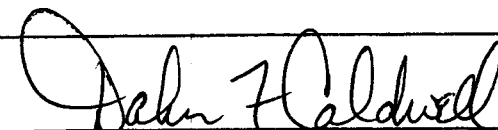
NOTE: Use COMMENT section to explain why each Action Code was selected

(3/89)

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JUN 08 2007

DIV. OF OIL, GAS & MINING



Signature

Office Administrator II

Title

6/1/07

Date

Phone No. **(435)781-4342**

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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir
Use "APPLICATION FOR PERMIT—" for such proposals

CONFIDENTIAL

5. Lease Designation and Serial No.

UTU-10164

6. If Indian, Allottee or Tribe Name

UTE TRIBE

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

FR 14P 20 14 20

9. API Well No.

43-047-39168

10. Field and Pool, or Exploratory Area

FLAT ROCK

11. County or Parish, State

UINTAH COUNTY, UTAH

SUBMIT IN TRIPLICATE

1. Type of Well

Oil

Gas

☐

Well

☒

Well

☐

Other

2. Name of Operator

Questar Exploration & Production, CO.

3. Address and Telephone No.

1571 E. 1700 S. VERNAL, UT 84078

Contact: Dahn.Caldwell@questar.com

435-781-4342 Fax 435-781-4357

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

758' FSL, 1838' FWL, SESW, SEC 20-T14S-R20E

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐

Notice of Intent

☒

Subsequent Report

☐

Final Abandonment Notice

TYPE OF ACTION

☐

Abandonment

☐

Recompletion

☐

Plugging Back

☐

Casing Repair

☐

Altering Casing

☒

Other SPUD

☐

Change of Plans

☐

New Construction

☐

Non-Routine Fracturing

☐

Water Shut-Off

☐

Conversion to Injection

☐

Dispose Water

(Note) Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

On 5/20/07 - Drilled 60' of 26" conductor hole. Set 60' of 20" conductor pipe. Cement w/ Ready Mix.

On 5/28/07 - Drilled 14-1/2" hole drilled to 523'KB. Run 10-3/4" csg & set @ 501' GL. Cmt w/ 330 sxs Cement.

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JUN 08 2007

DIV. OF OIL, GAS & MINING

3 - BLM, 2- Utah OG&M, 1 - Denver, 1 - file Word file server

14. I hereby certify that the foregoing is true and correct.

Signed

Dahn F. Caldwell

Office Administrator II

Date

6/1/07

(This space for Federal or State office use)

Approved by:

Title

Date

Conditions of approval, if any

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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SEP 04 2007

DIV. OF OIL, GAS & MINING

Questar E & P

Page 1 of 8

Operations Summary Report

Well Name: FR 14P-20-14-20
 Location: 20- 14-S 20-E 26
 Rig Name: UNIT

43-047-39168

Spud Date: 5/28/2007
 Rig Release: 7/3/2007
 Rig Number: 236

Date	From - To	Hours	Code	Sub Code	Description of Operations
5/12/2007	06:00 - 09:30	3.50	LOC	4	RIG DOWN TESCO, TORQUE TUBE AND SERVICE LOOP
	09:30 - 18:00	8.50	LOC	4	RIG DOWN, BRIDLE UP AND RIG DOWN FLOOR PREPARE TO LAY OVER DERRICK
5/13/2007	18:00 - 06:00	12.00	OTH		WAIT ON DAYLIGHT
	06:00 - 18:00	12.00	LOC	4	RIG DOWN, LAY OVER DERRICK, RIG DOWN FLOOR, UNSTRING BLOCKS RIG DOWN MUD TANKS AND MUD PUMPS
5/14/2007	18:00 - 06:00	12.00	OTH		WAIT ON DAYLIGHT
	06:00 - 18:00	12.00	LOC	4	CHANGE VALVES IN MUD MANNIFOLD ON MUD PUMPS, GO THROUGH MUD PUMPS, ORGANIZE JUNK BASKET FOR RIG MOVES, CLEAN SUB AND MATTING BOARDS
5/15/2007	18:00 - 06:00	12.00	OTH		WAIT ON DAYLIGHT
	06:00 - 18:00	12.00	LOC	4	WORK ON MUD MANIFOLD, INSPECT BHA 4" AND 4 1/2", LAOD PATH INSPECTION ON TOP DRIVE, WILL REPLACE TOP DRIVE, REPAIR AIR COMPRESSORS, CLEAN
5/16/2007	06:00 - 18:00	12.00	LOC	4	RIG DOWN, WORK ON LOW PRESSURE GUNS IN MUD TANKS REPLACE VALVES IN SUCTIONS, START TO CHECK DRAWWORKS WITH MECHANICS, BREAK DOWN GAS BUSTER AND BOUYE LINES, SCRUB SUB
5/17/2007	06:00 - 18:00	12.00	LOC	4	INSPECT PUMPS WILL BE CHANGING PONY RODS IN PUMPS, IN SPECT CROWN THE FAST LINE SHIVE IS CRACKED AND HAS TO BE REPLACE ALONG WITH BEARRINGS, WELD FLOOR GRATINGS, STEPS AND OTHER SAFETY ISSUES, GENERAL MAINTAINENCE ON RIG
5/18/2007	06:00 - 18:00	12.00	LOC	4	REBUILD CATHEAD COVER, INSPECT BLOCKS AND DRAWWORKS, REMOVE FAST LINE SHEIVE AND SHIP TO CASPER, REBUILD 20 CONDUCTOR DIVERTER, CHANGE OUT PRECHARGE PUMP
5/19/2007	06:00 - 18:00	12.00	LOC	4	PRESSURE WASH DERRICK, INSPECT ELECTRICAL CORDS, BUILD FLOW LINE, WORK ON LOW PRESSURE GUN VALVES GENERAL HOUSE KEEPING, RUN RACKS ON DRAWWORKS MOTORS
5/20/2007	06:00 - 18:00	12.00	LOC	4	CHANGE BRAKE BANDS ON DRAWWORKS, REPAIR HYDROMATIC, CHANGE MOTOR ON YELLOW DOG, REPAIR PUMP SHED ELECTRICAL CORD, REPAIR SWITCH IN BOILER, PRESSURE WASH SUB, GENERAL HOUSE KEEPING
5/21/2007	06:00 - 18:00	12.00	LOC	4	CHANGE BELTS ON #1 PUMP, RIG DOWN SUITCASES, PAINT DERRICK, FIX FUEL LEAKS, CLEAN SUB, PICK UP LOCATION, REPLACE FAST LINE SHIEVE
5/22/2007	06:00 - 18:00	12.00	LOC	3	RIG MOVE SET 60' 20" CONDUCTOR, RIG DOWN 75%, RIG MOVE 50%, WILL SET CELLAR RING AND PUT ROAD BASE DOWN UNDER MATTS IN MORNING
5/23/2007	06:00 - 18:00	12.00	LOC	3	SPUD CALLED IN TO JAMIE WITH BLM 5/21/2007 16:30 SUB MATS/ SET SUB BASE 5% RIGGED UP 85% RIG ON LOCATION RIGGED DOWN 95% LACK CAMPS PIT LINER SHOULD BE DONE THIS MORNING
5/24/2007	18:00 - 06:00	12.00	OTH		WAIT ON DATLIGHT
	06:00 - 18:00	12.00	LOC	4	RIG UP DRAW WORKS /MOTORS/MUD PUMPS/BACKYARD SET /DERRICK ON FLOOR STRING BLOCKS TODAY / ELECTRICIAN ON LOCATION WILL FINISH TODAY MECHANIC REPLACING SEALS/ PLATES FOR PONY RODS ON BOTH MUD PUMPS ONE FINISHED / ONE PLATE TO MACINE SHOP IN VERNAL SHOULD BE BACK FRIDAY WILL START MODIFICATION OF FLOWLINE TODAY
5/25/2007	18:00 - 06:00	12.00	LOC	4	WAIT ON DAYLIGHTS [WILL R/D CAMPS / MOVE RESET TODAY]
	06:00 - 18:00	12.00	LOC	4	R/D 100% MOVED OFF OLD LOCATION /R/M 95%OF TUBULARS LEFT @ MAN CAMPS R/U 85% SET / R/U CAMPS CONTINUE GENERAL R/U WILL RAISE DERRICK THIS AM TWO WELDERS WILL BE HERE THIS AM FOR MODIFICATION + FABRICATION OF FLOW LINE / BOOIE LINE PRECESION AIR WILL BE HERE THIS AM HOUSING PLATE FOR MUD PUMP PONY ROD TODAY
	18:00 - 06:00	12.00	LOC	4	WAIT ON DAYLIGHTS

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Well Name: FR 14P-20-14-20
Location: 20- 14-S 20-E 26
Rig Name: UNIT

Spud Date: 5/28/2007
Rig Release: 7/3/2007
Rig Number: 236

Date	From - To	Hours	Code	Sub Code	Description of Operations
5/26/2007	06:00 - 18:00	12.00	LOC	4	RAISED DERRICK/ R/U PRECISION AIR / MOVE TUBULARS/ GENERAL R/U / FILL WATER TANKS/MUD TANKS FINISH NEW AGIATATORS / START NEW FLOW LINE /START TOP DRIVE THIS MORNING
	18:00 - 06:00	12.00	LOC	4	WAIT ON DAYLIGHT
5/27/2007	06:00 - 18:00	12.00	LOC	4	R/U TOP DRIVE TRACK/ SERVICE LOOP / UNIT / CONTINUE FAB/ INSTALL ON NEW FLOWLINE / BREAK TOWER
	18:00 - 06:00	12.00	LOC	4	TROUBLE-SHOOT PROBLEM W/ TOP DRIVE. CANNOT CONTROL RPM'S / WELD CONDUCTOR / INSTALLING NEW FLOW-LINE/ BLOOIE LINE / PANIC LINE
5/28/2007	06:00 - 20:30	14.50	LOC	4	TROUBLE SHOOT / WAIT ON TOP DRIVE
	20:30 - 02:00	5.50	LOC	4	R/U NEW TOP DRIVE
	02:00 - 06:00	4.00	LOC	4	FIX / REPAIR BROKEN BOLTS/ FILTER / TEST TOP DRIVE
5/29/2007	06:00 - 07:00	1.00	LOC	4	FINISH REPAIR TO REPLACEMENT TOP DRIVE
	07:00 - 08:30	1.50	LOC	4	P/U BAILS & ELEVATORS CONNECT KELLY HOSE
	08:30 - 09:00	0.50	OTH		SAFETY MEETING & PRESSURE TEST AIR LINES
	09:00 - 12:00	3.00	TRP	1	P/U 14.5' AIR HAMMER /BIT SUB /FLOAT/ MONEL MAKE UP TOOLS/TEST
	12:00 - 13:00	1.00	OTH		CHANGE SAVER SUB
	13:00 - 15:00	2.00	OTH		INSTALL STRIPPING RUBBER ON DIVERTER
	15:00 - 15:30	0.50	DRL	4	TRIP TO CEMENT TAG @ 80" SPUD 5/28/2007 @ 15:30 HR.
	15:30 - 22:00	6.50	DRL	9	DRLG FORMATION F/ 80"/256" WT6-10K RPM 50 3200 AIR 220 AIR PRESS
	22:00 - 23:30	1.50	OTH		CHANGED OUT STRIPPING RUBBER ON CONDUCTOR DIVERTOR
	23:30 - 01:00	1.50	DRL	9	DRLG F/ 256" T 304'
	01:00 - 01:30	0.50	OTH		SWITCH TO MIST DRLG @ 10 BBLs PER HOUR
	01:30 - 06:00	4.50	DRL	9	DRLG F/ 304' T523' SAME PERAMATERS
5/30/2007	06:00 - 07:00	1.00	CIRC	1	BLOW HOLE CLEAN
	07:00 - 08:00	1.00	TRP	2	TOOH PULL 90K OVER TIH PUMP FOAM SWEEP CIRC BLOW HOLE CLEAN
	08:00 - 10:30	2.50	TRP	2	TOOH
	10:30 - 11:00	0.50	TRP	1	L/D TOOLS HAMMER/ FLOAT /BIT SUB
	11:00 - 11:30	0.50	CSG	1	R/U CASING CREW SAFETY MEETING HELD
	11:30 - 14:00	2.50	CSG	2	RUN 13 JTS 10.750 J-55 40.5 # STC SHOE @ 501' FLOAT COLLAR @456'
	14:00 - 14:30	0.50	CSG	1	R/D FRANKS CASING CREW
	14:30 - 15:30	1.00	CMT	2	R/U HALLIBURTON SAFETY MEETING HELD
	15:30 - 17:00	1.50	CMT	2	CEMENT W/ GEL/WATER 30 BBLs 106 BBLs 13.5PPG CEMENT DROP PLUG DISPLACE 48BBLs H2O BUMP PLUG W / 1500 PSI FLOATS HELD 28 BBLs TO SURFACE (HOLD 30 MIN 1500 PSI CASING PRESSURE TEST) FULL RETURNS THROUGH OUT JOB NOTE CEMENT IN 4 JTS OF 10' BLOOIE LINE 4' LEFT IN CONDUCTOR
	17:00 - 17:30	0.50	CMT	1	R/D HALLIBURTON
	17:30 - 21:00	3.50	CSG	6	WOC CUT CONDUCTOR & 10.750 CASING
	21:00 - 23:30	2.50	WHD	1	FINAL CUT CASING WELD & TEST WELLHEAD 11" 5000 # CAMERON
	23:30 - 06:00	6.50	BOP	1	SNUB IN SET BOP / STACK W/ GIN TRUCK / NIPPLE UP
5/31/2007	06:00 - 09:30	3.50	OTH		DRILL OUT PLUGGED WITH CEMENT 4- JTS BLOOIE LINE 80' (BC QUICK TEST ON LOCATION 0:900 DELAYED FROM AUTO ACCIDENT BLOCKING HIWAY 88#)
	09:30 - 16:00	6.50	BOP	1	NIPPLE UP BOP TORQUE BOLTS RESET CHOKE HOUSE (NOTE PROBLEM WITH BOP BOLTS NOT MAKING UP)
	16:00 - 00:00	8.00	BOP	2	TEST BOP WITH BC QUICK TEST (SAFETY MEETING HELD) TEST 250 PSI LOW 5 MIN 5000 PSI 10 MIN HIGH UPPER /LOWER PIPE RAMS / CHOKE/ INSIDE /OUTSIDE MANUALS /BLINDS /SUPER CHOKE / HCR/ CHECK VALVE/ TOP DRIVE DOUBLE BALL VALVE / TIW /DART VALVE / MUD LINE 3500 PSI 5 MIN ANNULAR 5 MIN 250 PSI 10 MIN 2500 HIGH (NOTE BC QUICK TEST SEAL FOR XT-39 CONN FAILED SEVERAL TIMES)
	00:00 - 01:00	1.00	OTH		INSTALL TURNBUCKELS /CENTER BOP

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Well Name: FR 14P-20-14-20
Location: 20- 14-S 20-E 26
Rig Name: UNIT

Spud Date: 5/28/2007
Rig Release: 7/3/2007
Rig Number: 236

Date	From - To	Hours	Code	Sub Code	Description of Operations
5/31/2007	01:00 - 03:30	2.50	OTH		SET WEAR BUSHING
	03:30 - 04:30	1.00	OTH		CHANGE OUT SAVER SUB TOP DRIVE
	04:30 - 06:00	1.50	TRP	1	P/U TOOLS CHANGE BHA
6/1/2007	06:00 - 07:00	1.00	TRP	2	TRIP IN TAG 461'
	07:00 - 07:30	0.50	CIRC	1	BLOW HOLE CLEAN/ 10' VALVE SHUT ON FLOWLINE
	07:30 - 09:00	1.50	RIG	2	REPLACE VALVE ON FLOWLINE MANIFOLD
	09:00 - 12:30	3.50	DRL	4	DRLG CEMENT STRINGERS / FLOAT COLLAR / GUIDE SHOE TO 461'- 523'
	12:30 - 14:30	2.00	DRL	1	DRLG F/ 523'- T 590' WT 15-18K RPM 60 3200 CFM 250 PSI MIST 8 GPM
	14:30 - 15:30	1.00	RIG	1	RIG SERVICE / TOP DRIVE SERVICE
	15:30 - 16:00	0.50	DRL	1	DRLG F/ 590'- 620' (SAME PARAMITERS)
	16:00 - 16:30	0.50	SUR	1	WIRELINE SURVEY @ 614 .2 INC 236.4 AZMI UNCORRECTED
	16:30 - 01:30	9.00	DRL	1	F 620 - T- 1118 WT 22K RPM 65 3200 CFM 250 PSI MIST 8 GPM
	01:30 - 02:00	0.50	SUR	1	WIRELINE SURVEY 1112 .4 INC 151.8 AZMI
	02:00 - 06:00	4.00	DRL	1	F/ 1118- 1393 (SAME PARAMITERS)
6/2/2007	06:00 - 09:00	3.00	DRL	1	DRLG F/ 1393- T/ 1587 WT 20-25 3200 CFM 250 PSI RT 65
	09:00 - 09:30	0.50	SUR	1	WIRELINE SURVEY 1582' INC .4 AZMI 64.9
	09:30 - 12:00	2.50	DRL	1	DRLG F/ 1587 T/ 1782 (SAME PARAMETERS)
	12:00 - 12:30	0.50	RIG	1	RIG SERVICE GENERAL
	12:30 - 16:00	3.50	DRL	1	DRLG F/ 1782- 2010 (SAME PARAMETERS)
	16:00 - 17:00	1.00	RIG	2	TROUBLE SHOOT TOP DRIVE TURBO DOWN / TRIP OUT FOR REPAIRS
					WAIT ON PART FROM GRAND JCT
	17:00 - 18:30	1.50	TRP	2	TRIP OUT CHANGE X-OVER SUBS / BIT
	18:30 - 00:00	5.50	RIG	2	WAIT ON PARTS CHANGED TURBO ON POWER UNIT - TESCO
	00:00 - 01:00	1.00	TRP	2	TIH W/ BIT 3#
	01:00 - 03:30	2.50	DRL	1	DRLG F/ 2010-T/ 2076 (SAME PARAMETERS)
	03:30 - 04:00	0.50	SUR	1	WIRELINE SURVEY @ 2070 .3 INC 43.6 AZMI
	04:00 - 06:00	2.00	DRL	1	DRLG F/ 2076 T/ 2173 (SAME PARAMETERS)
6/3/2007	06:00 - 11:30	5.50	DRL	1	DRLG F/ 2173' T/ 2465' WT 25-30 K 3200CFM 275 PSI RT 65
	11:30 - 12:00	0.50	RIG	1	RIG SERVICE GENERAL
	12:00 - 13:30	1.50	DRL	1	DRLG F/ 2465'-T/ 2551' (SAME PARAMETERS)
	13:30 - 14:30	1.00	SUR	1	SURVEY 2544' DEV .4 AZMI 175 / UNLOAD HOLE
	14:30 - 02:00	11.50	DRL	1	DRLG F/ 2551- T/ 3136 (SAME PARAMETERS)
	02:00 - 02:30	0.50	SUR	1	WIRE KINE 3130 INC .7 AZMI 196.8
	02:30 - 03:00	0.50	DRL	1	DRLG F/ 3136 - T/ 3298
	03:00 - 06:00	3.00	OTH		CONN / UNLOAD HOLE
					(NOTE MAKING WATER PITS 7 / 8 FULL)
6/4/2007	06:00 - 07:00	1.00	DRL	1	DRLG F/ 3298- T/ 3330 WT 35 3200 CFM 390 PSI 65 RPM 6 GPMM
	07:00 - 08:00	1.00	OTH		SWITCH TO AIREATED FLUID
	08:00 - 14:00	6.00	DRL	1	DRLG F/ 3330' - T/ 3524 WT 35-38 CFM 1600 SPM 140 900 PSI
	14:00 - 14:30	0.50	RIG	1	RIG SERVICE GENERAL
	14:30 - 16:30	2.00	DRL	1	DRLG F/ 3524- T/ 3610 CASING POINT REACHED / WT 35-40K (OTHERS SAME PARAMETERS)
	16:30 - 17:00	0.50	OTH		BLOW HOLE CLEAN
	17:00 - 19:00	2.00	TRP	14	SHORT TRIP 23 STS (SLM)
	19:00 - 19:30	0.50	SUR	1	WIRELINE SURVEY
	19:30 - 20:30	1.00	CIRC	1	BLOW HOLE CLEAN
	20:30 - 23:00	2.50	TRP	1	TOOH
	23:00 - 00:00	1.00	CSG	1	SAFETY MEETING & R/U FRANKS L/D TRUCK
	00:00 - 01:30	1.50	TRP	1	L/D DRILL COLLARS
	01:30 - 02:00	0.50	OTH		PULL WEAR BUSHING
	02:00 - 03:00	1.00	CSG	1	R/U FRANKS CASING CREW & HOLD SAFETY MEETING
	03:00 - 05:00	2.00	CSG	2	RUN 23 JTS 7-5/8" 29.7# P110 LTC CASING @ 1100'
	05:00 - 06:00	1.00	RIG	2	REPAIR FRANKS POWER TONGS

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Well Name: FR 14P-20-14-20
Location: 20- 14-S 20-E 26
Rig Name: UNIT

Spud Date: 5/28/2007
Rig Release: 7/3/2007
Rig Number: 236

Date	From - To	Hours	Code	Sub Code	Description of Operations
6/4/2007	-				NOTE: NOTIFIED JAMIE SPARGER WITH BLM 6/3/2007 1600 HRS OF INTENT TO RUN CASING & CEMENT
6/5/2007	06:00 - 09:00	3.00	CSG	2	RUN CASING 7 5/8 76 JTS SHOE @ 3592' FLOAT COLLAR 3495' (NOTE LOST CASING SLIP DIE IN HOLE BY FRANKS 10.5 LONG 2.25 WIDE 1" THICK)
	09:00 - 10:00	1.00	CIRC	1	CIRC LAST 10' OF LADING JT TO BOTTOM LAND MANDRIL
	10:00 - 13:30	3.50	OTH		INSTALL PACK OFF PRESSURE TEST TO 5000 PSI INSTALL CEMENT ISOLATION TOOL
	13:30 - 14:30	1.00	CMT	1	R/U HALLIBURTON FOR NITROGEN FOAM CEMENT JOB SAFETY MEETING HELD
	14:30 - 16:00	1.50	CMT	2	TEST CEMENT LINE TO 5000 PSI N2 LINES TO 8000 PSI PUMP 10 BBLS FOAMED FRESH WATER / 20 BBLS OF FOAMED SUPER FLUSH / 10 BBLS FOAMED WATER / PUMPED 79 BBLS 305 SKS YIELD 1.47 FOAMED DENSITY 8.5 LB GAL PUMPED FOAMED TAIL CEMENT @ 5 BPM 41 BBLS (160 SKS) YIELD 1.47 FOAM DENSITY 11 LB / GAL PUMPED UNFOAMED TAIL CEMENT @ 5 BPM 23.71 BBLS (115 SKS) YIELD 1.47 DROP PLUG DISPLACE W/ 161.4 BBLS FRESH WATER BUMP PLUG W/ 900 PSI FLOATS HELD RETURNED 17 BBL GOOD CEMENT TO SURFACE STARTED GETTING RETURNS 42 BBLS INTO DISPLACEMENT / PUMP CEMENT CAP @ 3 BPM 14.6 BBLS OF 14.6 # GAL 1.55 YIELD W/ 250 PSI
6/6/2007	16:00 - 17:00	1.00	CMT	1	R/D CEMENTERS / FLUSH BOP
	17:00 - 22:00	5.00	OTH		LAYOUT NEW BHA / CHANGE WASH PIPE / TROUBLE SHOOT TOP DRIVE SET WEAR BUSHING
	22:00 - 00:00	2.00	OTH		
	00:00 - 03:00	3.00	TRP	2	P/U NEW BHA & TIH, TAG CEMENT @ 3482'
	03:00 - 05:30	2.50	DRL	4	DRILL CEMENT, FLOAT EQUIPMENT
	05:30 - 06:00	0.50	RIG	2	REPAIR AIR LEAK TO COMPOUND
	06:00 - 07:30	1.50	DRL	4	DRILL CEMENT AND FLOAT EQUIPMENT TAG 3482' DRILL CEMENT TO 3593'
	07:30 - 08:30	1.00	EQT	2	CIRCULATE, FIT 8.33 MW + 549 PSI = 11.33 EQW
	08:30 - 15:30	7.00	DRL	1	DRILL F/3610' TO 3780' WOB 15, ROT 70, PS 160, PP 1450
	15:30 - 16:00	0.50	RIG	1	RIG SERVICE
	16:00 - 16:30	0.50	SUR	1	SURVEY @ 3770' .7 INC 204.7 AZM
	16:30 - 03:00	10.50	DRL	1	DRILL F/3780' TO 3996' WOB 28, ROT 90, PS 150, PP 1340
6/7/2007	03:00 - 03:30	0.50	SUR	1	DROP SURVEY
	03:30 - 06:00	2.50	TRP	10	TRIP OUT BIT #4
	06:00 - 07:30	1.50	TRP	1	LAY DOWN BIT SUB, JUNK BASKET AND CROSS OVER, PICK UP MUD MOTOR .26 RPG AND PDC BIT SURVEY @ 3987' .7 INC 192.3 AZM
	07:30 - 10:00	2.50	TRP	10	TRIP IN BIT #5 FIVE BLADE 5/8" CUTTER WITH .26 RPG MOTOR
	10:00 - 10:30	0.50	REAM	1	WASH AND REAM LAST TWO STDs TO BOTTOM (PRECAUTIONARY)
	10:30 - 12:00	1.50	DRL	1	DRILL F/3996' TO 4095' WOB 8, ROT 30, PS 90, PP 960
	12:00 - 12:30	0.50	RIG	1	RIG SERVICE
	12:30 - 20:30	8.00	DRL	1	DRILL F/4095' TO 4500' WOB 6-12, ROT 30, PS 90, PP 1020
	20:30 - 21:30	1.00	SUR	1	SURVEY @ 4465' .7 INC 192.3 AZM
	21:30 - 06:00	8.50	DRL	1	DRILL F/4500' TO 4965' WOB 6-12, ROT 30, PS 90, PP 1020
6/8/2007	06:00 - 09:30	3.50	DRL	1	DRILL F/4965' TO 5068' WOB 7-14, ROT 30, PS 90, PP 1100
	09:30 - 10:00	0.50	SUR	1	SURVEY @ 5037' 1.6 INC 192 AZM
	10:00 - 14:30	4.50	DRL	1	DRILL F/5068' TO 5263' WOB 7-14, ROT 30, PS 100, PP 1400
	14:30 - 15:00	0.50	RIG	1	RIG SERVICE
	15:00 - 20:30	5.50	DRL	1	DRILL F/5263' TO 5653' WOB 10, ROT 30, PS 105, PP 1500
	20:30 - 21:00	0.50	SUR	1	SURVEY @ 5619' 3.4 INC 217.7 AZM
	21:00 - 06:00	9.00	DRL	1	DRILL F/5653' TO 6180' WOB 7-12, ROT 30, PS 105, PP 1500
6/9/2007	06:00 - 06:30	0.50	DRL	1	DRILL F/6180' TO 6235' WOB 7-14, ROT 30, PS 85, PP 1300
	06:30 - 07:00	0.50	SUR	1	SURVEY @ 6200' 4.2 INC 189.04 AZM
	07:00 - 15:30	8.50	DRL	1	DRILL F/6235' TO 6625' WOB 7-14, ROT 30, PS 85, PP 1300

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Operations Summary Report

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Well Name: FR 14P-20-14-20
Location: 20- 14-S 20-E 26
Rig Name: UNIT

Spud Date: 5/28/2007
Rig Release: 7/3/2007
Rig Number: 236

Date	From - To	Hours	Code	Sub Code	Description of Operations
6/9/2007	15:30 - 16:30	1.00	SUR	1	SURVEY @ 6590' 4.3 INC 191.2 AZM
	16:30 - 17:30	1.00	CIRC	1	CIRCULATE FOR BIT TRIP AND PICK UP DIRECTIONAL TOOLS
	17:30 - 23:30	6.00	TRP	10	TRIP OUT BIT #5 BACKREAM F/5200' TO 4100'
	23:30 - 00:00	0.50	CIRC	1	PUMP DRY PIPE PILL
	00:00 - 02:30	2.50	TRP	10	TRIP OUT AND LAY DOWN MUD MOTOR AND BIT
	02:30 - 03:00	0.50	OTH		BOP FUNCTION TEST
6/10/2007	03:00 - 06:00	3.00	OTH		RIG UP MWD AND PICK UP TOOLS
	06:00 - 08:00	2.00	TRP	1	PICK UP DIRECTIONAL TOOLS AND ORIENT, PULSE TEST SCREEN STUCK IN COLLAR, LAY DOWN DC
	08:00 - 13:30	5.50	TRP	2	TRIP IN BIT #6, SURVEY STARTING AT SHOE THEN EVERY 1000' TO 6625'
6/11/2007	13:30 - 06:00	16.50	DRL	2	DRILL F/6625' TO 6780' WOB 6-12, ROT 20, PS 75, PP 1150 SLIDE TO TURN NORTH EAST
	06:00 - 10:45	4.75	DRL	2	DRILL F/6780' TO 6852' WOB 10, ROT 20, PS 90, PP 1300 SLIDES ARE AT 5' PER HOUR
	10:45 - 11:15	0.50	RIG	1	RIG SERVICE
6/12/2007	11:15 - 05:00	17.75	DRL	2	DRILL F/6852' TO 7049' WOB 10, ROT 20, PS 85, PP 1300 SLIDES ARE 5FPH
	05:00 - 06:00	1.00	SUR	1	CONNECTION AND SURVEYS
	06:00 - 13:30	7.50	DRL	2	DRILL F/7049' TO 7115' WOB 11, ROT 20, PS 85, PP 1200 SLIDE TO TURN EAST AND NORTH
	13:30 - 14:00	0.50	CIRC	1	CIRCULATE PUMP DRY PIPE PILL
	14:00 - 19:30	5.50	TRP	10	TRIP OUT BIT #6 PULL MWD, LAY DOWN MOTOR
	19:30 - 20:30	1.00	TRP	1	PICK UP INFINITY MOTOR, ADJUST TO 1.5". TEETH WERE BROKE ON ADJUSTMENT SLEEVE. LAY DOWN AND PICK UP QUANTUM .5 RPG MOTOR. ORIENT TOOLS
6/13/2007	20:30 - 00:00	3.50	TRP	10	PULSE TEST MWD AT SURFACE AND AT SHOE, TRIP IN BIT #7
	00:00 - 00:30	0.50	REAM	1	WASH AND REAM LAST 2 STDs TO BOTTOM TIGHT 30' OFF BOTTOM
	00:30 - 06:00	5.50	DRL	2	DRILL F/7115' TO 7300' WOB 5-10, ROT 20, PS 85, PP 1400
	06:00 - 14:00	8.00	DRL	2	DRILL F/7300' TO 7438' WOB 3-9, ROT 20, PS 85, PP 1400 SLIDE TO TURN NORTH EAST
	14:00 - 14:30	0.50	RIG	1	RIG SERVICE
	14:30 - 06:00	15.50	DRL	2	DRILL F/7438' TO 7668 WOB 9, ROT 20, PS 85, PP 1400 SLIDE TO MAINTAIN DIRECTION
6/14/2007	06:00 - 10:00	4.00	DRL	2	DRILL F/7668' TO 7733' WOB 7, ROT 20, PS 85, PP 1400 SLIDE TO MAINTAIN EAST AND NORTH
	10:00 - 10:30	0.50	RIG	1	RIG SERVICE
	10:30 - 18:00	7.50	DRL	2	DRILL F/7733' TO 7832' WOB 7, ROT 20, PS 85, PP 1500 SLIDE TO MAINTAIN NORTH EAST DIRECTION
	18:00 - 19:00	1.00	TRP	12	TRIP OUT BIT #7 TO CHANGE MOTOR TIGHT FIRST 3 STDs
	19:00 - 19:30	0.50	CIRC	1	PUMP DRY PIPE PILL
	19:30 - 22:30	3.00	TRP	12	TRIP OUT BIT #7
	22:30 - 23:00	0.50	TRP	1	CHANGE BATTERIES IN MWD AND LAY DOWN .5 QUANTUM MOTOR
	23:00 - 00:00	1.00	TRP	12	PICK UP .26 MOTOR AND MWD ORIENT TOOLS
	00:00 - 04:00	4.00	TRP	12	TRIP IN BIT #8
	04:00 - 04:30	0.50	REAM	1	WASH AND REAM LAST STD TO BOTTOM
	04:30 - 06:00	1.50	DRL	2	DRILL F/7832' TO 7867' WOB 12, ROT 30, PS 85, PP 1400 SLIDE TO CONTROLL AZM
	06:00 - 11:00	5.00	DRL	2	DRILL FROM 7867 - 7932 WOB 12 ROT 30 PS 85 PP 1400 SLIDE 10' ROT 20' EACH JT.
6/15/2007	11:00 - 11:30	0.50	RIG	1	RIG SERVICE
	11:30 - 03:00	15.50	DRL	2	DRILL FROM 7932' - 8224' WOB 12 ROT 30 PS 85 PP 1400 SLIDE 10' ROT 20' EACH JT.
	03:00 - 06:00	3.00	SUR	1	CONNECTION & SURVEYS
6/16/2007	06:00 - 10:00	4.00	DRL	2	DRILLING AHEAD 8224'-8322' WOB 14 RPM 35 PP 1400 SPM 85 SLIDE 10'

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Well Name: FR 14P-20-14-20
Location: 20- 14-S 20-E 26
Rig Name: UNIT

Spud Date: 5/28/2007
Rig Release: 7/3/2007
Rig Number: 236

Date	From - To	Hours	Code	Sub Code	Description of Operations
6/16/2007	06:00 - 10:00	4.00	DRL	2	ROTATE 20' EACH JT. TO MAINTAIN NE DIRECTION
	10:00 - 11:00	1.00	RIG	1	RIG SERVICE
	11:00 - 03:00	16.00	DRL	2	DRILL AHEAD 8322'-8612' WOB 14 RPM 35 PP 1400 SPM 85 SLIDE 10' ROTATE 20' EACH JT. TO MAINTAIN NE DIRECTION
6/17/2007	03:00 - 06:00	3.00	SUR	1	SURVEYS & CONNECTIONS
	06:00 - 12:00	6.00	DRL	2	DRILL 8612'-8709' WOB 14 RPM 30 PP 1350 SPM 85 DRILL 10' SLIDE 20' EACH JOINT TO MAINTAIN NE DIRECTION
	12:00 - 12:30	0.50	RIG	1	RIG SERVICE
6/18/2007	12:30 - 15:00	2.50	DRL	2	DRILL 8709'- 8742' WOB 14 RPM 30 PP 1350 SPM 85 DRILL 10' SLIDE 20' EACH JT TO MAINTAIN NE DIRECTION
	15:00 - 20:30	5.50	TRP	2	TRIP OUT OF HOLE
	20:30 - 03:30	7.00	ISP	1	INSPECT BHA
	03:30 - 05:00	1.50	TRP	1	PICK UP BHA
	05:00 - 06:00	1.00	TRP	2	TRIP IN HOLE WITH ROTARY STEERABLE TOOL AND BIT #9
	06:00 - 08:30	2.50	TRP	10	TRIP IN BIT #9 AND ROTARY STEERABLE TOOL TO SHOE
	08:30 - 09:30	1.00	RIG	6	SLIP AND CUT DRILLING LINE
	09:30 - 14:00	4.50	TRP	10	TRIP IN BIT #9 WASH AND REAM LAST 2 STDs TO BOTTOM HIT BRIDGE AT 7700, TEST MWD
	14:00 - 18:00	4.00	DRL	2	DRILL F/8742' TO 8871' WOB 12-14, ROT 84, PS 95, PP 1670 ROTARY STEERABLE
	18:00 - 18:30	0.50	RIG	1	RIG SERVICE
6/19/2007	18:30 - 04:00	9.50	DRL	2	DRILL F/8871' TO 9260' WOB 12, ROT 75, PS 95, PP 1670 BACK OFF WEIGHT AND ROTARY TO HELP TOOL MAINTAIN ANGLE
	04:00 - 06:00	2.00	SUR	1	CONNECTION AND SURVEY TIME
	06:00 - 08:00	2.00	DRL	2	DRILL F/9260' TO 9358' WOB 12, ROT 75, PS 95, PP 1780 ROTARY STEERABLE
	08:00 - 08:30	0.50	RIG	1	RIG SERVICE
6/20/2007	08:30 - 03:00	18.50	DRL	2	DRILL F/9358' TO 10100' WOB 13, ROT 75, PS 95, PP 1800 ROTARY STEERABLE CONNECTIONS 20' FLARE
	03:00 - 06:00	3.00	SUR	1	CONNECTION AND SURVEYS
	06:00 - 07:30	1.50	DRL	1	DRLG F/ 10100-10132 WT 13K 75 RPM PP 1800 75 SPM ROTARY STEERABLE
	07:30 - 08:00	0.50	RIG	1	ROUTINE RIG SERVICE
6/21/2007	08:00 - 03:00	19.00	DRL	1	DRLG F/ 10132' TO 10850' WOB 18K ROT 75 PS 95 PP 1820
	03:00 - 06:00	3.00	OTH		CONNECTIONS & SURVEYS
	06:00 - 10:30	4.50	DRL	1	DRLG W/ RSS F/ 10850-10935 WT 24 K RPM 75 SPM 95 PP 1900 PSI
	10:30 - 11:30	1.00	CIRC	1	PUMP SWEEP / MIX PUMP PILL
	11:30 - 18:30	7.00	TRP	10	TOOH W/ BIT 9# (B.O.P. DRILL/ FLOW CHECK)
	18:30 - 20:30	2.00	TRP	1	L/D P/U BHA SERVICE MWD / TEST MWD / RSS PADS
	20:30 - 00:00	3.50	TRP	10	TIH T/ SHOE FILL PIPE
	00:00 - 01:30	1.50	RIG	2	WORK ON TOP DRIVE HIGH GEAR MODE
	01:30 - 04:30	3.00	TRP	10	TIH -10813
	04:30 - 05:00	0.50	REAM	1	SAFETY WASH / REAM F/ 10813-10935
6/22/2007	05:00 - 06:00	1.00	DRL	1	DRLG F/ 10935 -10965 WT 12 K RPM 90 SPM 95 PP 1940
	06:00 - 17:00	11.00	DRL	1	DRLG F/ 10965- T/ 11105 WT 28K RPM 90 SPM 95 PP 1920
	17:00 - 17:30	0.50	RIG	1	ROUTINE RIG SERVICE
	17:30 - 04:00	10.50	DRL	1	DRLG F/ 11105 to 11365' WOB 28K ROT 120 PS 95 PP 1830
6/23/2007	04:00 - 06:00	2.00	OTH		CONNECTIONS & SURVEYS
	06:00 - 10:30	4.50	DRL	1	DRLG F/ 11365-T / 11397 WT 24-28K SPM 100 PP1900 RPM 120
	10:30 - 11:00	0.50	RIG	2	ROUTINE RIG SERVICE / TOPDRIVE LUBRICATE
	11:00 - 02:00	15.00	DRL	1	DRLG F/ 11397- T/ 11536
6/24/2007	02:00 - 04:00	2.00	OTH		CONNECTIONS & SURVEYS EVERY 31'
	04:00 - 06:00	2.00	TRP	10	TOOH W/ BIT # 10
	06:00 - 10:00	4.00	TRP	10	TOOH W/ 10# TIGHT SPOTS F/11209-8402 W/ 40-80K OVERPULL
	10:00 - 12:30	2.50	TRP	1	L/D P/U TOOLS CHECK / TEST RSS TOOL / MWD

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Operations Summary Report

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Well Name: FR 14P-20-14-20
Location: 20- 14-S 20-E 26
Rig Name: UNIT

Spud Date: 5/28/2007
Rig Release: 7/3/2007
Rig Number: 236

Date	From - To	Hours	Code	Sub Code	Description of Operations
6/24/2007	12:30 - 15:00	2.50	TRP	2	TIH FILL PIPE @4100 FLOAT DIDNT HOLD
	15:00 - 18:00	3.00	TRP	2	TOOH
	18:00 - 19:00	1.00	TRP	1	P/U L/D TOOLS RSS M/U BIT 11# BIT SUB
	19:00 - 01:00	6.00	TRP	2	TIH W/ 11# BIT SLICK ASSY FILL PIPE / FLOW CHECK
	01:00 - 02:00	1.00	REAM	1	SAFETY WASH/REAM F/ 11382 T/ 11536 (NO FILL)
	02:00 - 02:30	0.50	CIRC	1	PUMP SWEEP CLEAN BOTTOM
6/25/2007	02:30 - 06:00	3.50	DRL	1	DRLG F/11536 -11562 WT 10-12K RPM 45 SPM 108 PP1600
	06:00 - 07:30	1.50	DRL	1	DRLG F/ 11562-T / 11575 WT 12-14K SPM 108 RPM 65 PP 1600
	07:30 - 08:30	1.00	RIG	1	RIG SERVICE ROUTINE W/ TOP DRIVE REPAIR TIGHTEN /REPLACE BOLTS
					TORQUE BUSHING FIX RPM SENSOR
	08:30 - 05:00	20.50	DRL	1	DRLG F/ 11575 - T/ 11791 WT 18K SPM 108 RPM 75 PP 1700
	05:00 - 06:00	1.00	SUR	1	CONN - SURVEYS
6/26/2007					(NOTE 100 BBLS LOSS @ 11742 OVER 1.5 HRS LOSS 56 BBLS SEEPAGE LAST 24 HRS)
	06:00 - 08:00	2.00	DRL	1	DRLG F/ 11791- T/ 11831 WT 18K SPM 108 PP1600 RPM75
	08:00 - 08:30	0.50	RIG	1	ROUTINE RIG SERVICE
	08:30 - 09:00	0.50	CIRC	1	COND/ CIRC MAKE PILL
	09:00 - 10:00	1.00	TRP	2	TOOH WORK TIGHT HOLE F 11704- T 11702
	10:00 - 15:00	5.00	TRP	2	TOOH T/ 1800' SLM (2.3 DIFFERENCE NO CHANGE)
	15:00 - 16:00	1.00	RIG	6	CUT DRLG LINE CHECK BRAKES
	16:00 - 17:00	1.00	TRP	2	FINISH TOOH
	17:00 - 18:00	1.00	OTH		SERVICE MWD - BREAK OFF BIT
	18:00 - 20:30	2.50	WOT	4	MONITER WELL / WAIT ON LOGGING TRUCK W/ SCHLUMBERGER (3BBLS LOSS PER HR) TOTAL LOSSES 63 BBLS)
	20:30 - 22:00	1.50	LOG	1	SAFETY MEEETING HELD R/U TOOLS PEX
	22:00 - 03:00	5.00	LOG	1	LOGGING TWO RUN TAG UP @ 5380'
	03:00 - 03:30	0.50	LOG	1	R/D LOGGING UNIT
	03:30 - 06:00	2.50	TRP	2	TIH W/ BIT 12#
6/27/2007	06:00 - 07:00	1.00	TRP	2	TIH BIT 12#
	07:00 - 07:30	0.50	REAM	1	WASH-REAM THROUGH BRIDGE @ 5380 THREE - FOUR TIMES
	07:30 - 09:30	2.00	TRP	2	TIH T/ 11702
	09:30 - 10:00	0.50	REAM	1	WASH-REAM 11702-11704
	10:00 - 10:30	0.50	REAM	1	SAFETY WASH - REAM 11704-11831 (NO FILL)
	10:30 - 05:00	18.50	DRL	1	DRLG AHEAD F/ 11831- 12005 WT 12- 20 K SPM 120 RPM 95 PP 1750
	05:00 - 05:30	0.50	RIG	1	RIG SERVICE / WORK ON PUMP
	05:30 - 06:00	0.50	SUR	1	SURVEYS - CONN (NOTE 72 BBLS MUD LOSSED IN HOLE IN 18.5 HRS DRLG)
	06:00 - 11:30	5.50	DRL	1	DRILL F/ 12005' TO 12100' WOB 20-22K ROT 120 PS 110 PP 1500 (TD)
	11:30 - 12:00	0.50	SUR	1	CIRCULATE & SURVEY @ 12074' = 6.2 INC & 211.7 AZ
6/28/2007	12:00 - 13:30	1.50	TRP	14	SHORT TRIP 10 STANDS (BACKREAM FIRST 2 STANDS 100K OVER) WASH & REAM LAST THREE STANDS TO BOTTOM
	13:30 - 16:00	2.50	CIRC	1	CIRCULATE & CONDITION MUD
	16:00 - 22:30	6.50	TRP	2	TOOH F/ WIRELINE LOGS
	22:30 - 00:00	1.50	TRP	1	LAY DOWN QUANTUM MWD TOOLS
	00:00 - 02:00	2.00	LOG	1	SAFETY MEETING & RIG UP SCHLUMBERGER LOGGERS
	02:00 - 03:00	1.00	LOG	1	RUN # 1 PEX TRIPLE COMBO, TAG BRIDGE @ 5413'
	03:00 - 04:00	1.00	LOG	1	ATTEMPT TO WORK TOOL PAST BRIDGE, NO SUCCESS
	04:00 - 06:00	2.00	LOG	1	POOH & RIG DOWN SCHLUMBERGER
	06:00 - 08:30	2.50	TRP	2	M/U BIT # 13 & TIH TO 4873' (TAG BRIDGE)
	08:30 - 22:00	13.50	REAM	1	WASH & REAM F/ 4873' TO 12100' (PUSH ROCK TO TD 20% TIME) HARD REAMING LAST 72' - FILL (LOST 312 BBL MUD IN HOLE)
	22:00 - 00:00	2.00	CIRC	1	CIRCULATE RAISING VIS
	00:00 - 03:30	3.50	TRP	2	TOOH TO 6014'

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Operations Summary Report

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Well Name: FR 14P-20-14-20
Location: 20- 14-S 20-E 26
Rig Name: UNIT

Spud Date: 5/28/2007
Rig Release: 7/3/2007
Rig Number: 236

Date	From - To	Hours	Code	Sub Code	Description of Operations
6/29/2007	03:30 - 04:00	0.50	OTH		SPOT HIGH VIS-63- PILL 6000' TO 4000'
	04:00 - 06:00	2.00	TRP	2	TOOH WET F/ WIRELINE LOGS @ 3400'
6/30/2007	06:00 - 08:00	2.00	TRP	2	FINISH TOOH WET
	08:00 - 09:00	1.00	LOG	1	SAFETY MEETING HELD WITH SCHLUMBERGER R/U TOOLS
	09:00 - 14:00	5.00	LOG	1	RUN 1# T/ 4783 TAG RUN 2# WITH HOLE FINDER TAG @ 4783' UNABLE TO PASS THROUGH BRIDGE
	14:00 - 14:30	0.50	LOG	1	R/D LOGGING UNIT
	14:30 - 00:00	9.50	WOT	4	WAIT ON EQUIPMENT RESISTIVITY COLLAR / ELECTRONICS
					SCHLUMBERGER TECH ON LOCATION 17:30 COLLARS ON LOCATION @ 19:00, ELECTRONICS ON LOCATION 00:00 HRS
	00:00 - 03:00	3.00	OTH		ASSEMBLE & INSTALL ELECTRONICS IN COLLAR
	03:00 - 06:00	3.00	OTH		ATTEMPT TO CONNECT SENSOR (TIME-DEPTH) TO DRAWWORKS (THREAD END OF DRAWWORKS SPEAR BROKE OFF WHILE ATTEMPTING TO BREAK OFF ROTOR SEAL)
7/1/2007	06:00 - 09:30	3.50	WOT	4	WAIT ON DOWNLOAD SOFTWARE F/ SCHLUMBERGER - INSTALL SPEAR DRAW WORKS
	09:30 - 10:30	1.00	TRP	1	P/U TOOLS MCR COLLAR W/ UBHO REGISTIVITY TOOL - LWD
	10:30 - 17:00	6.50	TRP	2	TIH TAG @ 4780 - 4796 TIGHT @ 5036-5477 @ 9200-11000 PUSH @ 20K
	17:00 - 18:00	1.00	REAM	1	WASH-REAM 11815- 12100
	18:00 - 21:30	3.50	CIRC	1	CIRC/ CONDITION MUD SHAKE OUT LCM / RAISE VISCOSITY / LOWER API FILTRATE
	21:30 - 06:00	8.50	TRP	5	SAFETY MEETING HELD - FRANKS LDDP -
7/2/2007	06:00 - 06:30	0.50	TRP	3	FINISH LAYING DOWN DRILL PIPE (TOTAL 328 JTS)
	06:30 - 08:30	2.00	TRP	1	LAY DOWN BHA & RETRIEVE SCHLUMBERGER LOGGING TOOL
	08:30 - 09:00	0.50	OTH		PULL WEAR BUSHING NO WEAR
	09:00 - 11:30	2.50	CSG	1	SAFETY MEETING, CHANGE OUT BAILS, R/U FRANKS CASING CREW
	11:30 - 21:30	10.00	CSG	2	STACK FLOAT EQUIPMENT, FLOAT SHOE, FLOAT COLLAR & RIH W/ 258 JTS 4-1/2" 13.5#, P-110, LT&C CASING (WASH THROUGH TIGHT SPOT @11737' TO 11750')
	21:30 - 02:00	4.50	CIRC	1	CIRCULATE & CONDITION MUD (MW 9.0 - YP 4) R/D CASING CREW. R/U CEMENTERS
	02:00 - 05:30	3.50			SAFETY MEETING W/ HALLIBURTON CEMENTERS, PRESSURE TEST CEMENT LINES W/ 6000 PSI & N2 LINES TO 9000 PSI. PUMP 10 BBL FRESH WATER, 20 BBL SUPER FLUSH & 10 BBL FRESH WATER SPACER. PUMP FOAMED LEAD W/ 750 SKS (197 BBL) DENSITY 14.3 LB/GAL FOAMED TO 11 LB/GAL YIELD 1.47 W/R 6.41 GAL/SK. PUMP UNFOAMED TAIL W/ 60 SKS (15.9 BBL) DENSITY 14.3 LB/GAL YIELD 1.47 W/R 6.41 GAL/SK. DISPLACE W/ 180 WATER, BUMP PLUG, FLOATS HELD, FULL RETURNS DURING ENTIRE JOB
	05:30 - 06:00	0.50	WOT	1	WOC
7/3/2007	06:00 - 12:30	6.50	WOT	1	WAIT ON CEMENT & CLEAN MUD TANKS
	12:30 - 18:30	6.00	BOP	1	CHECK PRESSURE FROM NITROGEN CEMENT. ZERO PRESSURE, OPEN CHOKE. SAFETY MEETING, RIG UP H&N GOLD BOP JACKS, LIFT BOP, SET SLIPS W/ 100000K, CUT OFF
	18:30 - 21:30	3.00	BOP	1	SET DOWN BOP & LAY DOWN CUT OFF, R/D H&N GOLD, L/D SPIDER ELEVATORS & SLIPS, N/D & SNUB OUT BOP
	21:30 - 23:00	1.50	WHD	1	SET NIGHT CAP
	23:00 - 06:00	7.00	LOC	4	RIG DOWN TOP DRIVE, MUD TANKS (RIG RELEASE @ 0600 HRS 7/3/2007)

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Operations Summary Report

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Well Name: FR 14P-20-14-20
Location: 20- 14-S 20-E 26
Rig Name: UNIT

Spud Date: 5/28/2007
Rig Release: 7/3/2007
Rig Number: 236

Date	From - To	Hours	Code	Sub Code	Description of Operations
7/24/2007	06:00 - 16:00	10.00	LOC	4	<p>TIGHT HOLE - DO NOT RELEASE INFORMATION!!!! Initial report of completion. On 7/16/07 - MI Basin Well Service. Did not rig up while waiting on construction. On 7/17/07 - tally and rabbit in the hole with a 3-3/4" bit & 4-1/2" csg scraper and new 2-3/8" 4.7# EUE 8rd P-110 tbg to 7500'. SIFN. On 7/18/07 - Continue to tally and rabbit in the hole with tbg & tag @ 12054' (tbg depth- KB). Pull bit to 12042'. Circ hole with 2% KCL water. Pull bit to 12015' and land tbg in hanger. MIRU Quick Test and test csg and BOP's and all tbg head valves to 9500# and held OK. RDMO Quick Test. RU swab. IFL @ surface. Make 14 swab runs and swab well down to 4950' and SIFN. On 7/19/07 - Continue to swab well down to 9700' in 23 swab. RD swab and SIFN. On 7/20/07 - POOH with tbg. MIRU Cutters WL and perforate the following Entrada zones @ 2 JPF using a 3-1/8" csg gun and 120" phasing per the Schlumberger CBL log dated 7/12/07 and correlated to the Schlumberger Dipole Sonic log dated 7/11/07: 11921' - 11922'; 11853' - 11854'; 11833' - 11834'; 11807' - 11808'; 11756' - 11757'; 11743' - 11744'; 11694' - 11696' & 11662' - 11670' - total of 32 holes. When zone 11662' - 11670' was shot with the IFL @ 9850' got immediately blown up the hole for 1500' before gaining gun weight. Continue to POOH with gun and wireline and could not get past 8350' due to possible wireline problems downhole. After 1 hour SI period SICP = 2200#. Close in all wireline equipment and wait on additional tools. Flowed the csg to the pit on a 10/64" choke to clean up the well while getting facilities ready and waiting on gas analysis. Obtain the following gas analysis: N2 = 1.1777; Methane = 92.34%; CO2 = 2.04%; SG = 0.62; BTU = 1046.86. Good gas to go to gas sales and received all approvals. Continue to work on wireline and were able to strip out guns to 7350'. Left well going to sales overnight @ 1.5-1.8 MMCFD rate @ 1850 - 2000# FCP. On 7/21/07 csg flowing at 1.8 MMCFD at 2050# to gas sales. Continue to strip out of hole with wireline equipment and recovered all wireline equipment. RDMO Cutters WL. Continue to sell gas to gas sales and turned well over to production department until further rig activity. Report discontinued until further activity. Rig will be on standby on 7/23/07. NOTE: SCHLUMBERGER WL RAN CASED HOLE LOGS AS FOLLOWS: DIPOLE SONIC/COMP, NEUTRON/GR ON 7/11/07 AND CBL/ISOLATION SCANNER/GR LOG ON 7/12/07.</p> <p>Csg Size: 4-1/2" 13.5# P-110 Csg Depth: 12100' FC @???</p> <p>Perfs Zone #1 - Entrada 11921' - 11922' 11853' - 11854' 11833' - 11834' 11807' - 11808' 11756' - 11757' 11743' - 11744' 11694' - 11696' 11662' - 11670' (32 holes)</p>
7/26/2007	06:00 - 16:00	10.00	PERF	2	<p>11662' - 11670' On 7/25/07 well was producing via gas sales. SI well and pump 100 bbls of 2%</p>

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Operations Summary Report

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Well Name: FR 14P-20-14-20
Location: 20- 14-S 20-E 26
Rig Name: UNIT

Spud Date: 5/28/2007
Rig Release: 7/3/2007
Rig Number: 236

Date	From - To	Hours	Code	Sub Code	Description of Operations
7/26/2007	06:00 - 16:00	10.00	PERF	2	<p>KCL water down the csg. MIRU Cutters WL & perforate the following Entrada intervals at 3 JPF using a 3-1/8" csg gun and 120" phasing as follows per the SCHlumberger CBL log dated 7/12/07: 11650' - 11653'; 11657' - 11686'; 11693' - 11697'; 11742' - 11744'; 11755' - 11760'; 11772' - 11778'; 11781' - 11783'; 11787' - 11791'; 11796' - 11800'; 11803' - 11812'; 11828' - 11835'; 11849' - 11855'; 11919' - 11921'; & 11930' - 11932' (255 holes). Initial SICP = 550#. Final SICP = 1100#. RDMO Cutters WL.</p> <p>24 Hour Forecast: Will attempt to RIH w/ ret pkr & tbq.</p> <p>Csg Size: 4-1/2" 13.5# P-110 Csg Depth: 12100' FC @???</p> <p>Perfs Zone #1 - Entrada 11921' - 11922' 11853' - 11854' 11833' - 11834' 11807' - 11808' 11756' - 11757' 11743' - 11744' 11694' - 11696' 11662' - 11670' (32 holes) 7/25/07 Perf & Re-perf 11930' - 11932' 11919' - 11921' 11849' - 11855' 11828' - 11835' 11803' - 11812' 11796' - 11800' 11787' - 11791' 11781' - 11783' 11772' - 11776' 11756' - 11760' 11742' - 11744' 11693' - 11697' 11657' - 11686' 11650' - 11653'</p>
7/30/2007	06:00 - 16:00	10.00	PERF	2	<p>On AM of 7/26/07 SICP=1100#. Bled off csg.to 400#. Pump 60 bbl.of 10# brine down csg.to kill csg..RIH with 4-1/2" ret.pkr.and tbq.and set pkr.at 11730' with 30M# compression. SIFN.</p> <p>On 7/27/07 SITP and SICP=400#. Check packer and still set OK. Bled csg.down to 250# and fill csg.with 75 bbl.of 2% KCL water. MIRU Halliburton acid crew and acidize gross Entrada perforations 11742' to 11932' with 1000 gal.of 15% HCL with additives and 247-7/8" Bio-balls as follows: Fill tbq.with 20 bbl.of 2% KCL water and obtain break at 6683#. Pump the 1000 gal.of acid with 240 BIO-balls spaced in the acid and flush with 70 bbl.of 2% KCL water. Ave.rate=6.2 BPM; Max.rate=6.6 BPM;Max.psi=6710#; Ave.psi=6000#; ISIP=300#. Saw limited ball action. SI the well and RDMO Halliburton. Release packer at 11730' and reset at 11603'. RU swab. IFL at 4600'. Make 8 swab runs and recovered 48 bbl.of gas cut water and</p>

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Operations Summary Report

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Well Name: FR 14P-20-14-20
Location: 20- 14-S 20-E 26
Rig Name: UNIT

Spud Date: 5/28/2007
Rig Release: 7/3/2007
Rig Number: 236

Date	From - To	Hours	Code	Sub Code	Description of Operations
7/30/2007	06:00 - 16:00	10.00	PERF	2	<p>tbg.started to flow. Recovered an additional 75 bbl.of fluid up the tbg.to the pit and tbg.dried up with a final FTP=1400# on a 24/64" choke. Turn well over to the production department via gas sales. Have est.6 bbl.of load to recover from the acid job. On 7/30/07 will RDMO Basin Well Service as well testing of this well continues.</p> <p>NOTE: SCHLUMBERGER WL RAN CASED HOLE LOGS AS FOLLOWS: DIPOLE SONIC/COMP.NEUTRON/GR ON 7/11/07 AND CBL/ISOLATION SCANNER/GR LOG ON 7/12/07.</p> <p>Csg Size: 4-1/2" 13.5# P-110 Csg Depth: 12100' FC @???</p> <p>LLTR: 6</p> <p>Perfs Zone #1 - Entrada 11921' - 11922' 11853' - 11854' 11833' - 11834' 11807' - 11808' 11756' - 11757' 11743' - 11744' 11694' - 11696' 11662' - 11670' (32 holes) 7/25/07 Perf & Re-perf 11930' - 11932' 11919' - 11921' 11849' - 11855' 11828' - 11835' 11803' - 11812' 11796' - 11800' 11787' - 11791' 11781' - 11783' 11772' - 11776' 11756' - 11760' 11742' - 11744' 11693' - 11697' 11657' - 11686' 11650' - 11653'</p>

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other in-
structions on
reverse side).

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

CONFIDENTIAL

1a. TYPE OF WELL

OIL WELL ☐ GAS WELL ☒ DRY ☐ Other _____

b. TYPE OF COMPLETION

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR ☐ Other _____

2. NAME OF OPERATOR
QUESTAR EXPLORATION & PRODUCTION CO.

3. ADDRESS OF OPERATOR
11002 EAST 17500 SOUTH - VERNAL, UT 84078
Contact: Dahn Caldwell 435-781-4342
Fax # 435.781.4357

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 758' FSL, 1838' FWL, SESW, S20-T14S-R20E

At top rod. interval reported below

At total depth 544' FSL, 1806' FWL, SESW, S20-T14S-R20E

BHL: 0544 FSL 1806 FWL

14. PERMIT NO.
43-047-39168

DATE ISSUED

12. COUNTY OR PARISH
UINTAH

13. STATE
UT

15. DATE SPUNDED
5/20/07

16. DATE T.D. REACHED
6/27/07

17. DATE COMPL. (Ready to prod.)
7/20/07

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*
KB

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD
72091 TUD
12,100' MD

21. PLUG BACK T.D., MD & TVD
TUD-12089
12,098' MD

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS
X

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)*

11650' - 11932' - ENTRADA

25. WAS DIRECTIONAL SURVEY MADE
YES

26. TYPE ELECTRIC AND OTHER LOGS RUN

CBL DIPOLE SONIC, NEUTRON POROSITY, GAMMA RAY

27. WAS WELL CORED
NO

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
10-3/4"	40.5#	522'	14-1/2"	330 SXS	
7-5/8"	29.7#	3592'	9-3/4"	580 SXS	
4-1/2"	13.5#	12,100'	6-1/2"	810 SXS	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	11,617'	11,617'

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

11650' - 11932' - ENTRADA

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
11742' - 11932'	ACIDIZED W/ 1000 GALS 15% HCL

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)				WELL STATUS (Producing or shut-in)	
7/20/07		FLOWING				PRODUCING	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL--BBL	GAS--MCF	WATER--BBL	GAS-OIL RATIO
7/20/07	12	7/64		0	920	5	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL	GAS--MCF	WATER--BBL	OIL GRAVITY-API (CORR.)	
N/A	FCP 1919 psi		0	1840	10		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
SOLD

TEST WITNESSED BY

35. LIST OF ATTACHMENTS
WELLBORE SCHEMATIC

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED JIM SIMONTON

TITLE

DIV. OF OIL, GAS & MINING
COMPLETION SUPERVISOR

DATE

8/20/07

(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the

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37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof, cored intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
GREEN RIVER	SURFACE		CONFIDENTIAL
WASATCH	2186'		
MESA VERDE	4050'		
CASTLEGATE	6505'		
MANCOS	7300'		
DAKOTA SILT	10,638'		
DAKOTA	10,730'		
CEDAR MTN	10,805'		
MORRISON	11,028'		
CURTIS	11,552'		
ENTRADA	11,650'		
CARMEL	11,966'		
TD	12,100'		

38. GEOLOGIC MARKERS
FR 14P 20 14 20

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
GREEN RIVER	SURFACE	
WASATCH	2186'	
MESA VERDE	4050'	
CASTLEGATE	6505'	
MANCOS	7300'	
DAKOTA SILT	10,638'	
DAKOTA	10,730'	
CEDAR MTN	10,805'	
MORRISON	11,028'	
CURTIS	11,552'	
ENTRADA	11,650'	
CARMEL	11,966'	
TD	12,100'	

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SEP 06 2007

Questar E & P DIV. OF OIL, GAS & MINING

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Page 1 of 3

Deviation Summary

Well Name: FR 14P-20-14-20

TMD: 12,074.0 (ft)

TVD: 12,065.36 (ft)

Closure Distance: 216.8 (ft)

Closure Direction: 188.60 (°)

Location: 20- 14-S 20-E 26

Spud Date: 5/28/2007

Calculation Method: Minimum Curvature

S/T #

V.S. AZI (°)

OH

0.00

S/T #	TMD (ft)	Angle (°)	Azimuth (°)	CTM	TVD (ft)	N-S (ft)	E-W (ft)	Vert. Section (ft)	DLS (°/100ft)	BUR (°/100ft)	Type
OH	0.0	0.00	0.00	NYN	0.00	0.00	0.00	0.00	0.00	0.00	
OH	614.0	0.20	236.40	YNN	614.00	-0.59	-0.89	-0.59	0.03	0.03	MSS
OH	1,112.0	0.40	151.80	YNN	1,111.99	-2.61	-0.80	-2.61	0.09	0.04	MSS
OH	1,582.0	0.40	64.90	YNN	1,581.99	-3.36	1.47	-3.36	0.12	0.00	MSS
OH	2,170.0	0.30	43.60	YNN	2,169.97	-1.37	4.39	-1.37	0.03	-0.02	MSS
OH	2,544.0	0.40	175.00	YNN	2,543.97	-1.96	5.18	-1.96	0.17	0.03	MSS
OH	3,130.0	0.70	196.80	YNN	3,129.94	-7.43	4.32	-7.43	0.06	0.05	MSS
OH	3,520.0	0.60	210.00	YNN	3,519.92	-11.48	2.61	-11.48	0.05	-0.03	MSS
OH	3,770.0	0.70	204.70	YNN	3,769.90	-14.00	1.32	-14.00	0.05	0.04	MSS
OH	3,987.0	0.70	192.30	YNN	3,986.89	-16.50	0.48	-16.50	0.07	0.00	MSS
OH	4,465.0	0.70	192.30	YNN	4,464.85	-22.20	-0.76	-22.20	0.00	0.00	MSS
OH	5,037.0	1.60	192.00	YNN	5,036.73	-33.43	-3.17	-33.43	0.16	0.16	mes
OH	5,619.0	3.40	217.70	YNN	5,618.17	-55.03	-15.41	-55.03	0.36	0.31	mes
OH	6,200.0	4.20	189.04	YNN	6,197.94	-89.68	-29.29	-89.68	0.35	0.14	MSS
OH	6,590.0	4.30	191.20	YNN	6,586.87	-118.13	-34.38	-118.13	0.05	0.03	MSS
OH	6,617.0	4.10	198.00	YNN	6,613.79	-120.04	-34.87	-120.04	1.99	-0.74	MWD
OH	6,715.0	3.60	179.60	YNN	6,711.58	-126.44	-35.93	-126.44	1.35	-0.51	MWD
OH	6,812.0	3.30	183.20	YNN	6,808.40	-132.28	-36.07	-132.28	0.38	-0.31	MWD
OH	6,908.0	3.10	166.50	YNN	6,904.25	-137.56	-35.62	-137.56	0.99	-0.21	MWD
OH	6,973.0	2.90	159.70	YNN	6,969.16	-140.81	-34.63	-140.81	0.63	-0.31	MWD
OH	7,005.0	2.50	150.60	YNN	7,001.13	-142.18	-34.01	-142.18	1.83	-1.25	MWD
OH	7,038.0	2.30	139.10	YNN	7,034.10	-143.31	-33.22	-143.31	1.58	-0.61	MWD
OH	7,070.0	1.80	126.70	YNN	7,066.08	-144.09	-32.40	-144.09	2.08	-1.56	MWD
OH	7,103.0	1.40	111.50	YNN	7,099.07	-144.55	-31.61	-144.55	1.76	-1.21	MWD
OH	7,200.0	1.20	140.90	YNN	7,196.04	-145.77	-29.87	-145.77	0.71	-0.21	MWD
OH	7,265.0	1.60	115.00	YNN	7,261.02	-146.68	-28.62	-146.68	1.14	0.62	MWD
OH	7,362.0	2.60	64.80	YNN	7,357.96	-146.32	-25.40	-146.32	2.06	1.03	MWD
OH	7,395.0	2.40	63.40	YNN	7,390.93	-145.69	-24.10	-145.69	0.63	-0.61	MWD
OH	7,492.0	1.60	26.90	YNN	7,487.88	-143.57	-21.67	-143.57	1.51	-0.82	MWD
OH	7,591.0	0.70	340.00	YNN	7,586.86	-141.77	-21.26	-141.77	1.25	-0.91	MWD
OH	7,689.0	1.10	351.60	YNN	7,684.85	-140.28	-21.60	-140.28	0.45	0.41	MWD
OH	7,787.0	0.90	300.10	YNN	7,782.83	-138.96	-22.40	-138.96	0.91	-0.20	MWD
OH	7,883.0	1.60	271.00	YNN	7,878.81	-138.56	-24.39	-138.56	0.96	0.73	MWD

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Deviation Summary

Well Name: FR 14P-20-14-20

TMD: 12,074.0 (ft)

TVD: 12,065.36 (ft)

Location: 20- 14-S 20-E 26

Spud Date: 5/28/2007

Closure Distance: 216.8 (ft)

Closure Direction: 188.60 (°)

Calculation Method: Minimum Curvature

S/T #

V.S. AZI (°)

OH

0.00

S/T #	TMD (ft)	Angle (°)	Azimuth (°)	CTM	TVD (ft)	N/-S (ft)	E/-W (ft)	Vert. Section (ft)	DLS (°/100ft)	BUR (°/100ft)	Type
OH	7,981.0	1.10	306.90	YNN	7,976.78	-137.97	-26.51	-137.97	0.98	-0.51	MWD
OH	8,078.0	1.50	34.70	YNN	8,073.77	-136.37	-26.53	-136.37	1.88	0.41	MWD
OH	8,142.0	2.20	71.50	YNN	8,137.73	-135.29	-24.89	-135.29	2.10	1.09	MWD
OH	8,175.0	2.60	70.40	YNN	8,170.71	-134.84	-23.59	-134.84	1.22	1.21	MWD
OH	8,273.0	2.00	108.00	YNN	8,268.63	-134.62	-19.87	-134.62	1.62	-0.61	MWD
OH	8,370.0	2.70	106.00	YNN	8,365.55	-135.78	-16.06	-135.78	0.73	0.72	MWD
OH	8,467.0	3.10	111.60	YNN	8,462.43	-137.37	-11.43	-137.37	0.50	0.41	MWD
OH	8,564.0	2.00	110.30	YNN	8,559.33	-138.92	-7.40	-138.92	1.14	-1.13	MWD
OH	8,661.0	1.30	94.00	YNN	8,656.29	-139.59	-4.71	-139.59	0.86	-0.72	MWD
OH	8,732.0	2.40	64.50	YNN	8,727.25	-139.00	-2.57	-139.00	2.00	1.55	MWD
OH	8,829.0	0.10	62.30	YNN	8,824.22	-138.09	-0.66	-138.09	2.37	-2.37	MWD
OH	8,926.0	0.20	113.80	YNN	8,921.22	-138.12	-0.43	-138.12	0.16	0.10	MWD
OH	9,023.0	0.20	155.10	YNN	9,018.22	-138.34	-0.20	-138.34	0.15	0.00	MWD
OH	9,120.0	0.80	172.90	YNN	9,115.22	-139.17	-0.05	-139.17	0.63	0.62	MWD
OH	9,218.0	0.10	146.20	YNN	9,213.21	-139.92	0.08	-139.92	0.73	-0.71	MWD
OH	9,316.0	0.40	133.60	YNN	9,311.21	-140.22	0.38	-140.22	0.31	0.31	MWD
OH	9,413.0	0.10	92.30	YNN	9,408.21	-140.46	0.71	-140.46	0.34	-0.31	MWD
OH	9,510.0	0.20	127.70	YNN	9,505.21	-140.57	0.93	-140.57	0.14	0.10	MWD
OH	9,606.0	0.10	110.40	YNN	9,601.21	-140.70	1.14	-140.70	0.11	-0.10	MWD
OH	9,702.0	0.10	220.40	YNN	9,697.21	-140.79	1.16	-140.79	0.17	0.00	MWD
OH	9,799.0	0.00	248.20	YNN	9,794.21	-140.86	1.11	-140.86	0.10	-0.10	MWD
OH	9,897.0	0.10	66.40	YNN	9,892.21	-140.82	1.18	-140.82	0.10	0.10	MWD
OH	9,993.0	0.10	214.00	YNN	9,988.21	-140.86	1.21	-140.86	0.20	0.00	MWD
OH	10,090.0	0.10	120.10	YNN	10,085.21	-140.97	1.24	-140.97	0.15	0.00	MWD
OH	10,187.0	0.20	119.00	YNN	10,182.21	-141.10	1.46	-141.10	0.10	0.10	MWD
OH	10,285.0	0.00	100.10	YNN	10,280.21	-141.18	1.61	-141.18	0.20	-0.20	MWD
OH	10,382.0	0.10	144.80	YNN	10,377.21	-141.25	1.66	-141.25	0.10	0.10	MWD
OH	10,479.0	0.00	142.80	YNN	10,474.21	-141.32	1.71	-141.32	0.10	-0.10	MWD
OH	10,576.0	0.10	133.30	YNN	10,571.21	-141.37	1.77	-141.37	0.10	0.10	MWD
OH	10,674.0	0.00	98.80	YNN	10,669.21	-141.43	1.83	-141.43	0.10	-0.10	MWD
OH	10,771.0	0.10	106.00	YNN	10,766.21	-141.46	1.91	-141.46	0.10	0.10	MWD
OH	10,868.0	0.70	153.45	YNN	10,863.21	-142.01	2.26	-142.01	0.66	0.62	MWD
OH	10,966.0	0.50	200.00	YNN	10,961.20	-142.95	2.38	-142.95	0.52	-0.20	MWD

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Questar E & P

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Deviation Summary

Well Name: FR 14P-20-14-20

Location: 20- 14-S 20-E 26

TMD: 12,074.0 (ft)

TVD: 12,065.36 (ft)

Spud Date: 5/28/2007

Closure Distance: 216.8 (ft)

Closure Direction: 188.60 (°)

Calculation Method: Minimum Curvature

S/T #

V.S. AZI (°)

OH

0.00

S/T #	TMD (ft)	Angle (°)	Azimuth (°)	CTM	TVD (ft)	N-S (ft)	E-W (ft)	Vert. Section (ft)	DLS (°/100ft)	BUR (°/100ft)	Type
OH	11,063.0	0.60	274.20	YNN	11,058.20	-143.31	1.73	-143.31	0.69	0.10	MWD
OH	11,162.0	0.90	208.40	YNN	11,157.19	-143.95	0.84	-143.95	0.86	0.30	MWD
OH	11,257.0	2.30	194.90	YNN	11,252.15	-146.45	0.00	-146.45	1.52	1.47	MWD
OH	11,355.0	3.70	197.80	YNN	11,350.02	-151.36	-1.47	-151.36	1.44	1.43	MWD
OH	11,452.0	4.40	202.40	YNN	11,446.77	-157.78	-3.85	-157.78	0.80	0.72	MWD
OH	11,549.0	4.70	201.30	YNN	11,543.47	-164.93	-6.71	-164.93	0.32	0.31	
OH	11,611.0	4.70	199.70	YNN	11,605.26	-169.68	-8.49	-169.68	0.21	0.00	
OH	11,709.0	4.40	198.18	YNN	11,702.95	-177.04	-11.02	-177.04	0.33	-0.31	
OH	11,806.0	7.80	210.40	YNN	11,799.39	-186.25	-15.51	-186.25	3.73	3.51	MWD
OH	11,903.0	7.30	210.90	YNN	11,895.55	-197.22	-22.00	-197.22	0.52	-0.52	MWD
OH	12,074.0	6.20	211.70	YNN	12,065.36	-214.40	-32.44	-214.40	0.65	-0.64	MWD

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING
 CDW

Change of Operator (Well Sold)

X - Operator Name Change

The operator of the well(s) listed below has changed, effective:

6/14/2010

FROM: (Old Operator): N5085-Questar Exploration and Production Company 1050 17th St, Suite 500 Denver, CO 80265 Phone: 1 (303) 308-3048	TO: (New Operator): N3700-QEP Energy Company 1050 17th St, Suite 500 Denver, CO 80265 Phone: 1 (303) 308-3048
--	--

CA No.

Unit:

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
SEE ATTACHED								

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 6/28/2010
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 6/28/2010
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/24/2010
- Is the new operator registered in the State of Utah: Business Number: 764611-0143
- (R649-9-2) Waste Management Plan has been received on: Requested
- Inspections of LA PA state/fee well sites complete on: n/a
- Reports current for Production/Disposition & Sundries on: ok
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 8/16/2010 BIA not yet
- Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: 8/16/2010
- Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
- Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 6/29/2010

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 6/30/2010
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 6/30/2010
- Bond information entered in RBDMS on: 6/30/2010
- Fee/State wells attached to bond in RBDMS on: 6/30/2010
- Injection Projects to new operator in RBDMS on: 6/30/2010
- Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: ESB000024
- Indian well(s) covered by Bond Number: 965010693
- (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 965010695
- The **FORMER** operator has requested a release of liability from their bond on: n/a

LEASE INTEREST OWNER NOTIFICATION:

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: See attached
2. NAME OF OPERATOR: Questar Exploration and Production Company <i>N5085</i>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: See attached
3. ADDRESS OF OPERATOR: 1050 17th Street, Suite 500 CITY Denver STATE CO ZIP 80265 PHONE NUMBER: (303) 672-6900		7. UNIT or CA AGREEMENT NAME: See attached
4. LOCATION OF WELL FOOTAGES AT SURFACE: See attached COUNTY: Attached QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: STATE: UTAH		8. WELL NAME and NUMBER: See attached
		9. API NUMBER: Attached
		10. FIELD AND POOL, OR WILDCAT: See attached

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>6/14/2010</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Operator Name Change</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective June 14, 2010 Questar Exploration and Production Company changed its name to QEP Energy Company. This name change involves only an internal corporate name change and no third party change of operator is involved. The same employees will continue to be responsible for operations of the properties described on the attached list. All operations will continue to be covered by bond numbers:

Federal Bond Number: 965002976 (BLM Reference No. ESB000024) *N3700*

Utah State Bond Number: ~~965003033~~

Fee Land Bond Number: ~~965003033~~ *965010695*

BIA Bond Number: ~~799446~~ *965010693*

The attached document is an all inclusive list of the wells operated by Questar Exploration and Production Company. As of June 14, 2010 QEP Energy Company assumes all rights, duties and obligations as operator of the properties as described on the list

NAME (PLEASE PRINT) <u>Morgan Anderson</u>	TITLE <u>Regulatory Affairs Analyst</u>
SIGNATURE <i>Morgan Anderson</i>	DATE <u>6/23/2010</u>

(This space for State use only)

RECEIVED

JUN 28 2010

DIV. OF OIL, GAS & MINING

(See Instructions on Reverse Side)

APPROVED *6/30/2009*

Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

Questar Exploration Production Company (N5085) to QEP Energy Company (N3700)
effective June 14, 2010

well_name	sec	tpw	rng	api	entity	mineral lease	type	stat	C
WEST RIVER BEND 3-12-10-15	12	100S	150E	4301331888	14542	Federal	OW	P	C
WEST RIVER BEND 16-17-10-17	17	100S	170E	4301332057	14543	Federal	OW	P	
WEST DESERT SPRING 11-20-10-17	20	100S	170E	4301332088	14545	Federal	OW	S	
GD 8G-35-9-15	35	090S	150E	4301333821		Federal	OW	APD	C
GD 9G-35-9-15	35	090S	150E	4301333822		Federal	OW	APD	C
GD 10G-35-9-15	35	090S	150E	4301333823		Federal	OW	APD	C
GD 11G-35-9-15	35	090S	150E	4301333824		Federal	OW	APD	C
GD 12G-35-9-15	35	090S	150E	4301333825		Federal	OW	APD	C
GD 13G-35-9-15	35	090S	150E	4301333826		Federal	OW	APD	C
GD 1G-34-9-15	34	090S	150E	4301333827	16920	Federal	OW	P	
GD 2G-34-9-15	34	090S	150E	4301333828		Federal	OW	APD	C
GD 7G-34-9-15	34	090S	150E	4301333829		Federal	OW	APD	C
GD 7G-35-9-15	35	090S	150E	4301333830		Federal	OW	APD	C
GD 14G-35-9-15	35	090S	150E	4301333831		Federal	OW	APD	C
GD 15G-35-9-15	35	090S	150E	4301333832		Federal	OW	APD	C
GD 16G-35-9-15	35	090S	150E	4301333833	16921	Federal	OW	P	
GD 1G-35-9-15	35	090S	150E	4301333834		Federal	OW	APD	C
GD 2G-35-9-15	35	090S	150E	4301333835		Federal	OW	APD	C
GD 3G-35-9-15	35	090S	150E	4301333836		Federal	OW	APD	C
GD 4G-35-9-15	35	090S	150E	4301333837		Federal	OW	APD	C
GD 5G-35-9-15	35	090S	150E	4301333838		Federal	OW	APD	C
GD 6G-35-9-15	35	090S	150E	4301333839		Federal	OW	APD	C
GD 8G-34-9-15	34	090S	150E	4301333840		Federal	OW	APD	C
GD 9G-34-9-15	34	090S	150E	4301333841		Federal	OW	APD	C
GD 10G-34-9-15	34	090S	150E	4301333842		Federal	OW	APD	C
GD 15G-34-9-15	34	090S	150E	4301333843		Federal	OW	APD	C
GD 16G-34-9-15	34	090S	150E	4301333844		Federal	OW	APD	C
GOVT 18-2	18	230S	170E	4301930679	2575	Federal	OW	P	
FEDERAL 2-29-7-22	29	070S	220E	4304715423	5266	Federal	GW	TA	
UTAH FED D-1	14	070S	240E	4304715936	10699	Federal	GW	S	
UTAH FED D-2	25	070S	240E	4304715937	9295	Federal	GW	S	
PRINCE 1	10	070S	240E	4304716199	7035	Federal	GW	P	
UTAH FED D-4	14	070S	240E	4304731215	9297	Federal	GW	S	
ISLAND UNIT 16	11	100S	180E	4304731505	1061	Federal	OW	S	
EAST COYOTE FED 14-4-8-25	04	080S	250E	4304732493	11630	Federal	OW	P	
PRINCE 4	03	070S	240E	4304732677	7035	Federal	OW	P	
GH 21 WG	21	080S	210E	4304732692	11819	Federal	GW	P	
OU SG 6-14-8-22	14	080S	220E	4304732746	11944	Federal	GW	S	
FLU KNOLLS FED 23-3	03	100S	180E	4304732754	12003	Federal	OW	P	
GH 22 WG	22	080S	210E	4304732818	12336	Federal	GW	P	
OU GB 12W-20-8-22	20	080S	220E	4304733249	13488	Federal	GW	P	
OU GB 15-18-8-22	18	080S	220E	4304733364	12690	Federal	GW	P	
OU GB 3W-17-8-22	17	080S	220E	4304733513	12950	Federal	GW	P	
OU GB 5W-17-8-22	17	080S	220E	4304733514	12873	Federal	GW	P	
WV 9W-8-8-22	08	080S	220E	4304733515	13395	Federal	GW	P	
OU GB 9W-18-8-22	18	080S	220E	4304733516	12997	Federal	GW	P	
OU GB 3W-20-8-22	20	080S	220E	4304733526	13514	Federal	GW	P	
OU GB 12W-30-8-22	30	080S	220E	4304733670	13380	Federal	GW	P	
WV 10W-8-8-22	08	080S	220E	4304733814	13450	Federal	GW	P	
GH 7W-21-8-21	21	080S	210E	4304733845	13050	Federal	GW	P	
GH 9W-21-8-21	21	080S	210E	4304733846	13074	Federal	GW	P	

Bonds: BLM = ESB000024

BIA = 956010693

State = 965010695

Questar Exploration Production Company (N5085) to QEP Energy Company (N3700)
effective June 14, 2010

well_name	sec	tpw	rng	api	entity	mineral lease	type	stat	C
GH 11W-21-8-21	21	080S	210E	4304733847	13049	Federal	GW	P	
GH 15W-21-8-21	21	080S	210E	4304733848	13051	Federal	GW	P	
WV 2W-9-8-21	09	080S	210E	4304733905	13676	Federal	GW	P	
WV 7W-22-8-21	22	080S	210E	4304733907	13230	Federal	GW	P	
WV 9W-23-8-21	23	080S	210E	4304733909	13160	Federal	GW	P	
GH 14W-20-8-21	20	080S	210E	4304733915	13073	Federal	GW	P	
OU GB 4W-30-8-22	30	080S	220E	4304733945	13372	Federal	GW	P	
OU GB 9W-19-8-22	19	080S	220E	4304733946	13393	Federal	GW	P	
OU GB 10W-30-8-22	30	080S	220E	4304733947	13389	Federal	GW	P	
OU GB 12W-19-8-22	19	080S	220E	4304733948	13388	Federal	GW	P	
GB 9W-25-8-21	25	080S	210E	4304733960	13390	Federal	GW	P	
SU 1W-5-8-22	05	080S	220E	4304733985	13369	Federal	GW	P	
SU 3W-5-8-22	05	080S	220E	4304733987	13321	Federal	OW	S	
SU 7W-5-8-22	05	080S	220E	4304733988	13235	Federal	GW	P	
SU 9W-5-8-22	05	080S	220E	4304733990	13238	Federal	GW	P	
SU 13W-5-8-22	05	080S	220E	4304733994	13236	Federal	GW	TA	
SU 15W-5-8-22	05	080S	220E	4304733996	13240	Federal	GW	P	
WV 8W-8-8-22	08	080S	220E	4304734005	13320	Federal	GW	P	
WV 14W-8-8-22	08	080S	220E	4304734007	13322	Federal	GW	S	
OU GB 6W-20-8-22	20	080S	220E	4304734018	13518	Federal	GW	P	
OU GB 5W-30-8-22	30	080S	220E	4304734025	13502	Federal	GW	P	
OU GB 11W-20-8-22	20	080S	220E	4304734039	13413	Federal	GW	P	
OU GB 4W-20-8-22	20	080S	220E	4304734043	13520	Federal	GW	P	
GH 5W-21-8-21	21	080S	210E	4304734147	13387	Federal	GW	P	
GH 6W-21-8-21	21	080S	210E	4304734148	13371	Federal	GW	P	
GH 8W-21-8-21	21	080S	210E	4304734149	13293	Federal	GW	P	
GH 10W-20-8-21	20	080S	210E	4304734151	13328	Federal	GW	P	
GH 10W-21-8-21	21	080S	210E	4304734152	13378	Federal	GW	P	
GH 12W-21-8-21	21	080S	210E	4304734153	13294	Federal	GW	P	
GH 14W-21-8-21	21	080S	210E	4304734154	13292	Federal	GW	P	
GH 16W-21-8-21	21	080S	210E	4304734157	13329	Federal	GW	P	
WV 2W-3-8-21	03	080S	210E	4304734207	13677	Federal	GW	P	
OU GB 5W-20-8-22	20	080S	220E	4304734209	13414	Federal	GW	P	
WV 6W-22-8-21	22	080S	210E	4304734272	13379	Federal	GW	P	
GH 1W-20-8-21	20	080S	210E	4304734327	13451	Federal	GW	P	
GH 2W-20-8-21	20	080S	210E	4304734328	13527	Federal	GW	P	
GH 3W-20-8-21	20	080S	210E	4304734329	13728	Federal	GW	P	
GH 7W-20-8-21	20	080S	210E	4304734332	13537	Federal	GW	P	
GH 9W-20-8-21	20	080S	210E	4304734333	13411	Federal	GW	P	
GH 11W-20-8-21	20	080S	210E	4304734334	13410	Federal	GW	P	
GH 15W-20-8-21	20	080S	210E	4304734335	13407	Federal	GW	P	
GH 16W-20-8-21	20	080S	210E	4304734336	13501	Federal	GW	P	
WV 12W-23-8-21	23	080S	210E	4304734343	13430	Federal	GW	P	
OU GB 13W-20-8-22	20	080S	220E	4304734348	13495	Federal	GW	P	
OU GB 14W-20-8-22	20	080S	220E	4304734349	13507	Federal	GW	P	
OU GB 11W-29-8-22	29	080S	220E	4304734350	13526	Federal	GW	P	
SU PURDY 14M-30-7-22	30	070S	220E	4304734384	13750	Federal	GW	S	
WVX 11G-5-8-22	05	080S	220E	4304734388	13422	Federal	OW	P	
WVX 13G-5-8-22	05	080S	220E	4304734389	13738	Federal	OW	P	
WVX 15G-5-8-22	05	080S	220E	4304734390	13459	Federal	OW	P	
SU BRENNAN W 15W-18-7-22	18	070S	220E	4304734403	13442	Federal	GW	TA	

Bonds: BLM = ESB000024

BIA = 956010693

State = 965010695

Questar Exploration Production Company (N5085) to QEP Energy Company (N3700)
effective June 14, 2010

well_name	sec	tpw	rng	api	entity	mineral lease	type	stat	C
SU 16W-5-8-22	05	080S	220E	4304734446	13654	Federal	GW	P	
SU 2W-5-8-22	05	080S	220E	4304734455	13700	Federal	GW	P	
SU 10W-5-8-22	05	080S	220E	4304734456	13540	Federal	GW	P	
WV 16W-8-8-22	08	080S	220E	4304734470	13508	Federal	GW	P	
OU GB 16WX-30-8-22	30	080S	220E	4304734506	13431	Federal	GW	P	
OU GB 1W-19-8-22	19	080S	220E	4304734512	13469	Federal	GW	P	
OU GB 2W-19-8-22	19	080S	220E	4304734513	13461	Federal	GW	P	
OU GB 5W-19-8-22	19	080S	220E	4304734514	13460	Federal	GW	P	
OU GB 7W-19-8-22	19	080S	220E	4304734515	13462	Federal	GW	P	
OU GB 8W-19-8-22	19	080S	220E	4304734516	13489	Federal	GW	P	
OU GB 11W-19-8-22	19	080S	220E	4304734517	13467	Federal	GW	P	
OU GB 16W-19-8-22	19	080S	220E	4304734522	13476	Federal	GW	P	
OU GB 1W-30-8-22	30	080S	220E	4304734528	13487	Federal	GW	S	
OU GB 3W-30-8-22	30	080S	220E	4304734529	13493	Federal	GW	P	
OU GB 6W-30-8-22	30	080S	220E	4304734530	13519	Federal	GW	P	
OU GB 7W-30-8-22	30	080S	220E	4304734531	13494	Federal	GW	P	
OU GB 8W-30-8-22	30	080S	220E	4304734532	13483	Federal	GW	P	
OU GB 9W-30-8-22	30	080S	220E	4304734533	13500	Federal	GW	P	
OU GB 6W-19-8-22	19	080S	220E	4304734534	13475	Federal	GW	P	
OU GB 10W-19-8-22	19	080S	220E	4304734535	13479	Federal	GW	P	
OU GB 13W-19-8-22	19	080S	220E	4304734536	13478	Federal	GW	P	
OU GB 14W-19-8-22	19	080S	220E	4304734537	13484	Federal	GW	P	
OU GB 15W-19-8-22	19	080S	220E	4304734538	13482	Federal	GW	P	
OU GB 12W-17-8-22	17	080S	220E	4304734542	13543	Federal	GW	P	
OU GB 6W-17-8-22	17	080S	220E	4304734543	13536	Federal	GW	P	
OU GB 13W-17-8-22	17	080S	220E	4304734544	13547	Federal	GW	P	
OU GB 6W-29-8-22	29	080S	220E	4304734545	13535	Federal	GW	P	
OU GB 3W-29-8-22	29	080S	220E	4304734546	13509	Federal	GW	P	
OU GB 13W-29-8-22	29	080S	220E	4304734547	13506	Federal	GW	P	
OU GB 4W-29-8-22	29	080S	220E	4304734548	13534	Federal	GW	P	
OU GB 5W-29-8-22	29	080S	220E	4304734549	13505	Federal	GW	P	
OU GB 14W-17-8-22	17	080S	220E	4304734550	13550	Federal	GW	P	
OU GB 11W-17-8-22	17	080S	220E	4304734553	13671	Federal	GW	P	
OU GB 14W-29-8-22	29	080S	220E	4304734554	13528	Federal	GW	P	
OU GB 2W-17-8-22	17	080S	220E	4304734559	13539	Federal	GW	P	
OU GB 7W-17-8-22	17	080S	220E	4304734560	13599	Federal	GW	P	
OU GB 16W-18-8-22	18	080S	220E	4304734563	13559	Federal	GW	P	
OU GB 1W-29-8-22	29	080S	220E	4304734573	13562	Federal	GW	P	
OU GB 7W-29-8-22	29	080S	220E	4304734574	13564	Federal	GW	P	
OU GB 8W-29-8-22	29	080S	220E	4304734575	13609	Federal	GW	S	
OU GB 9W-29-8-22	29	080S	220E	4304734576	13551	Federal	GW	P	
OU GB 10W-29-8-22	29	080S	220E	4304734577	13594	Federal	GW	P	
OU GB 15W-29-8-22	29	080S	220E	4304734578	13569	Federal	GW	P	
OU GB 2W-20-8-22	20	080S	220E	4304734599	13664	Federal	GW	P	
OU GB 2W-29-8-22	29	080S	220E	4304734600	13691	Federal	GW	P	
OU GB 15W-17-8-22	17	080S	220E	4304734601	13632	Federal	GW	P	
OU GB 16W-17-8-22	17	080S	220E	4304734602	13639	Federal	GW	P	
OU GB 16W-29-8-22	29	080S	220E	4304734603	13610	Federal	GW	P	
OU GB 1W-20-8-22	20	080S	220E	4304734604	13612	Federal	GW	P	
OU GB 1W-17-8-22	17	080S	220E	4304734623	13701	Federal	GW	P	
OU GB 9W-17-8-22	17	080S	220E	4304734624	13663	Federal	GW	P	

Bonds: BLM = ESB000024

BIA = 956010693

State = 965010695

Questar Exploration Production Company (N5085) to QEP Energy Company (N3700)
effective June 14, 2010

well_name	sec	tpw	rng	api	entity	mineral lease	type	stat	C
OU GB 10W-17-8-22	17	080S	220E	4304734625	13684	Federal	GW	P	
OU GB 9W-20-8-22	20	080S	220E	4304734630	13637	Federal	GW	P	
OU GB 10W-20-8-22	20	080S	220E	4304734631	13682	Federal	GW	P	
OU GB 15W-20-8-22	20	080S	220E	4304734632	13613	Federal	GW	P	
OU WIH 15MU-21-8-22	21	080S	220E	4304734634	13991	Federal	GW	P	
OU WIH 13W-21-8-22	21	080S	220E	4304734646	13745	Federal	GW	P	
OU GB 11W-15-8-22	15	080S	220E	4304734648	13822	Federal	GW	P	
OU GB 13W-9-8-22	09	080S	220E	4304734654	13706	Federal	GW	P	
OU WIH 14W-21-8-22	21	080S	220E	4304734664	13720	Federal	GW	P	
OU GB 12WX-29-8-22	29	080S	220E	4304734668	13555	Federal	GW	P	
OU WIH 10W-21-8-22	21	080S	220E	4304734681	13662	Federal	GW	P	
OU GB 4G-21-8-22	21	080S	220E	4304734685	13772	Federal	OW	P	
OU GB 3W-21-8-22	21	080S	220E	4304734686	13746	Federal	GW	P	
OU GB 16SG-30-8-22	30	080S	220E	4304734688	13593	Federal	GW	P	
OU WIH 7W-21-8-22	21	080S	220E	4304734689	13716	Federal	GW	P	
OU GB 5W-21-8-22	21	080S	220E	4304734690	13770	Federal	GW	P	
WIH 1MU-21-8-22	21	080S	220E	4304734693	14001	Federal	GW	P	
OU GB 5G-19-8-22	19	080S	220E	4304734695	13786	Federal	OW	P	
OU GB 7W-20-8-22	20	080S	220E	4304734705	13710	Federal	GW	P	
OU SG 14W-15-8-22	15	080S	220E	4304734710	13821	Federal	GW	P	
OU SG 15W-15-8-22	15	080S	220E	4304734711	13790	Federal	GW	P	
OU SG 16W-15-8-22	15	080S	220E	4304734712	13820	Federal	GW	P	
OU SG 4W-15-8-22	15	080S	220E	4304734713	13775	Federal	GW	P	
OU SG 12W-15-8-22	15	080S	220E	4304734714	13838	Federal	GW	P	
OU GB 5MU-15-8-22	15	080S	220E	4304734715	13900	Federal	GW	P	
OU SG 8W-15-8-22	15	080S	220E	4304734717	13819	Federal	GW	P	
OU SG 9W-15-8-22	15	080S	220E	4304734718	13773	Federal	GW	P	
OU SG 10W-15-8-22	15	080S	220E	4304734719	13722	Federal	GW	P	
OU SG 2MU-15-8-22	15	080S	220E	4304734721	13887	Federal	GW	P	
OU SG 7W-15-8-22	15	080S	220E	4304734722	13920	Federal	GW	P	
OU GB 14SG-29-8-22	29	080S	220E	4304734743	14034	Federal	GW	P	
OU GB 16SG-29-8-22	29	080S	220E	4304734744	13771	Federal	GW	P	
OU GB 13W-10-8-22	10	080S	220E	4304734754	13774	Federal	GW	P	
OU GB 6MU-21-8-22	21	080S	220E	4304734755	14012	Federal	GW	P	
OU SG 10W-10-8-22	10	080S	220E	4304734764	13751	Federal	GW	P	
OU GB 14M-10-8-22	10	080S	220E	4304734768	13849	Federal	GW	P	
OU SG 9W-10-8-22	10	080S	220E	4304734783	13725	Federal	GW	P	
OU SG 16W-10-8-22	10	080S	220E	4304734784	13781	Federal	GW	P	
SU BW 6M-7-7-22	07	070S	220E	4304734837	13966	Federal	GW	P	
GB 3M-27-8-21	27	080S	210E	4304734900	14614	Federal	GW	P	
WVX 11D-22-8-21	22	080S	210E	4304734902	14632	Federal	GW	P	
GB 11M-27-8-21	27	080S	210E	4304734952	13809	Federal	GW	P	
GB 9D-27-8-21	27	080S	210E	4304734956	14633	Federal	GW	P	
GB 1D-27-8-21	27	080S	210E	4304734957	14634	Federal	GW	P	
WRU EIH 2M-35-8-22	35	080S	220E	4304735052	13931	Federal	GW	P	
GH 12MU-20-8-21	20	080S	210E	4304735069	14129	Federal	GW	P	
OU SG 4W-11-8-22	11	080S	220E	4304735071	14814	Federal	GW	OPS	C
OU SG 5W-11-8-22	11	080S	220E	4304735072	14815	Federal	GW	OPS	C
SG 6ML-11-8-22	11	080S	220E	4304735073	14825	Federal	GW	P	
OU SG 5MU-14-8-22	14	080S	220E	4304735076	13989	Federal	GW	P	
OU SG 6MU-14-8-22	14	080S	220E	4304735077	14128	Federal	GW	P	

Bonds: BLM = ESB000024

BIA = 956010693

State = 965010695

Questar Exploration Production Company (N5085) to QEP Energy Company (N3700)
effective June 14, 2010

well_name	sec	tpw	rng	api	entity	mineral lease	type	stat	C
SG 12MU-14-8-22	14	080S	220E	4304735078	13921	Federal	GW	P	
OU SG 13MU-14-8-22	14	080S	220E	4304735079	13990	Federal	GW	P	
OU SG 9MU-11-8-22	11	080S	220E	4304735091	13967	Federal	GW	P	
SG 11SG-23-8-22	23	080S	220E	4304735099	13901	Federal	GW	TA	
OU SG 14W-11-8-22	11	080S	220E	4304735114	14797	Federal	GW	OPS	C
SG 5MU-23-8-22	23	080S	220E	4304735115	14368	Federal	GW	P	
SG 6MU-23-8-22	23	080S	220E	4304735116	14231	Federal	GW	P	
SG 14MU-23-8-22	23	080S	220E	4304735117	14069	Federal	GW	P	
SG 12MU-23-8-22	23	080S	220E	4304735188	14412	Federal	GW	P	
SG 13MU-23-8-22	23	080S	220E	4304735190	14103	Federal	GW	P	
WH 7G-10-7-24	10	070S	240E	4304735241	14002	Federal	GW	S	
GB 4D-28-8-21	28	080S	210E	4304735246	14645	Federal	GW	P	
GB 7M-28-8-21	28	080S	210E	4304735247	14432	Federal	GW	P	
GB 14M-28-8-21	28	080S	210E	4304735248	13992	Federal	GW	P	
SG 11MU-23-8-22	23	080S	220E	4304735257	13973	Federal	GW	P	
SG 15MU-14-8-22	14	080S	220E	4304735328	14338	Federal	GW	P	
EIHX 14MU-25-8-22	25	080S	220E	4304735330	14501	Federal	GW	P	
EIHX 11MU-25-8-22	25	080S	220E	4304735331	14470	Federal	GW	P	
NBE 12ML-10-9-23	10	090S	230E	4304735333	14260	Federal	GW	P	
NBE 13ML-17-9-23	17	090S	230E	4304735334	14000	Federal	GW	P	
NBE 4ML-26-9-23	26	090S	230E	4304735335	14215	Federal	GW	P	
SG 7MU-11-8-22	11	080S	220E	4304735374	14635	Federal	GW	S	
SG 1MU-11-8-22	11	080S	220E	4304735375	14279	Federal	GW	P	
OU SG 13W-11-8-22	11	080S	220E	4304735377	14796	Federal	GW	OPS	C
SG 3MU-11-8-22	11	080S	220E	4304735379	14978	Federal	GW	P	
SG 8MU-11-8-22	11	080S	220E	4304735380	14616	Federal	GW	P	
SG 2MU-11-8-22	11	080S	220E	4304735381	14636	Federal	GW	P	
SG 10MU-11-8-22	11	080S	220E	4304735382	14979	Federal	GW	P	
SU 11MU-9-8-21	09	080S	210E	4304735412	14143	Federal	GW	P	
OU GB 8MU-10-8-22	10	080S	220E	4304735422	15321	Federal	GW	OPS	C
EIHX 2MU-25-8-22	25	080S	220E	4304735427	14666	Federal	GW	P	
EIHX 1MU-25-8-22	25	080S	220E	4304735428	14705	Federal	GW	P	
EIHX 7MU-25-8-22	25	080S	220E	4304735429	14682	Federal	GW	P	
EIHX 8MU-25-8-22	25	080S	220E	4304735430	14706	Federal	GW	P	
EIHX 9MU-25-8-22	25	080S	220E	4304735433	14558	Federal	GW	P	
EIHX 16MU-25-8-22	25	080S	220E	4304735434	14502	Federal	GW	P	
EIHX 15MU-25-8-22	25	080S	220E	4304735435	14571	Federal	GW	P	
EIHX 10MU-25-8-22	25	080S	220E	4304735436	14537	Federal	GW	P	
GB 3MU-3-8-22	03	080S	220E	4304735457	14575	Federal	GW	P	
NBE 15M-17-9-23	17	090S	230E	4304735463	14423	Federal	GW	P	
NBE 7ML-17-9-23	17	090S	230E	4304735464	14232	Federal	GW	P	
NBE 3ML-17-9-23	17	090S	230E	4304735465	14276	Federal	GW	P	
NBE 11M-17-9-23	17	090S	230E	4304735466	14431	Federal	GW	P	
NBE 10ML-10-9-23	10	090S	230E	4304735650	14377	Federal	GW	P	
NBE 6ML-10-9-23	10	090S	230E	4304735651	14422	Federal	GW	P	
NBE 12ML-17-9-23	17	090S	230E	4304735652	14278	Federal	GW	P	
NBE 6ML-26-9-23	26	090S	230E	4304735664	14378	Federal	GW	P	
NBE 11ML-26-9-23	26	090S	230E	4304735665	14340	Federal	GW	P	
NBE 15ML-26-9-23	26	090S	230E	4304735666	14326	Federal	GW	P	
SG 4MU-23-8-22	23	080S	220E	4304735758	14380	Federal	GW	P	
SG 11MU-14-8-22	14	080S	220E	4304735829	14486	Federal	GW	P	

Bonds: BLM = ESB000024

BIA = 956010693

State = 965010695

Questar Exploration Production Company (N5085) to QEP Energy Company (N3700)
effective June 14, 2010

well_name	sec	tpw	rng	api	entity	mineral lease	type	stat	C
RB DS FED 1G-7-10-18	07	100S	180E	4304735932	14457	Federal	OW	S	
RB DS FED 14G-8-10-18	08	100S	180E	4304735933	14433	Federal	OW	P	
OU SG 14MU-14-8-22	14	080S	220E	4304735950	14479	Federal	GW	P	
COY 12ML-24-8-24	24	080S	240E	4304736039	14592	Federal	OW	P	
WIH 1AMU-21-8-22	21	080S	220E	4304736060	14980	Federal	GW	P	
SU 8M-12-7-21	12	070S	210E	4304736096	16610	Federal	GW	OPS	C
NBE 4ML-10-9-23	10	090S	230E	4304736098	15732	Federal	GW	P	
NBE 8ML-10-9-23	10	090S	230E	4304736099	15733	Federal	GW	P	
NBE 16ML-10-9-23	10	090S	230E	4304736100	14728	Federal	GW	S	
SUBW 14M-7-7-22	07	070S	220E	4304736136	15734	Federal	GW	P	
NBE 8ML-12-9-23	12	090S	230E	4304736143	15859	Federal	GW	S	
GB 16D-28-8-21	28	080S	210E	4304736260	14981	Federal	GW	P	
NBE 5ML-10-9-23	10	090S	230E	4304736353	15227	Federal	GW	P	
NBE 7ML-10-9-23	10	090S	230E	4304736355	15850	Federal	GW	P	
NBE 3ML-10-9-23	10	090S	230E	4304736356	15393	Federal	GW	P	
EIHX 4MU-36-8-22	36	080S	220E	4304736444	14875	Federal	GW	P	
EIHX 3MU-36-8-22	36	080S	220E	4304736445	14860	Federal	GW	P	
EIHX 2MU-36-8-22	36	080S	220E	4304736446	14840	Federal	GW	S	
EIHX 1MU-36-8-22	36	080S	220E	4304736447	14861	Federal	GW	P	
NBE 7ML-26-9-23	26	090S	230E	4304736587	16008	Federal	GW	P	
NBE 8ML-26-9-23	26	090S	230E	4304736588	15689	Federal	GW	P	
NBE 1ML-26-9-23	26	090S	230E	4304736589	15880	Federal	GW	P	
NBE 2ML-26-9-23	26	090S	230E	4304736590	15898	Federal	GW	S	
NBE 3ML-26-9-23	26	090S	230E	4304736591	15906	Federal	GW	P	
NBE 5ML-26-9-23	26	090S	230E	4304736592	15839	Federal	GW	P	
NBE 9ML-10-9-23	10	090S	230E	4304736593	15438	Federal	GW	P	
NBE 11ML-10-9-23	10	090S	230E	4304736594	15228	Federal	GW	P	
NBE 15ML-10-9-23	10	090S	230E	4304736595	15439	Federal	GW	P	
NBE 2ML-17-9-23	17	090S	230E	4304736614	15126	Federal	GW	P	
NBE 4ML-17-9-23	17	090S	230E	4304736615	15177	Federal	GW	P	
NBE 6ML-17-9-23	17	090S	230E	4304736616	15127	Federal	GW	S	
NBE 10ML-17-9-23	17	090S	230E	4304736617	15128	Federal	GW	P	
NBE 14ML-17-9-23	17	090S	230E	4304736618	15088	Federal	GW	P	
NBE 9ML-26-9-23	26	090S	230E	4304736619	15322	Federal	GW	P	
NBE 10D-26-9-23	26	090S	230E	4304736620	15975	Federal	GW	S	
NBE 12ML-26-9-23	26	090S	230E	4304736621	15840	Federal	GW	P	
NBE 13ML-26-9-23	26	090S	230E	4304736622	15690	Federal	GW	P	
NBE 14ML-26-9-23	26	090S	230E	4304736623	15262	Federal	GW	P	
NBE 16ML-26-9-23	26	090S	230E	4304736624	15735	Federal	GW	P	
WF 1P-1-15-19	06	150S	200E	4304736781	14862	Indian	GW	P	
SG 3MU-23-8-22	14	080S	220E	4304736940	15100	Federal	GW	P	
NBE 5ML-17-9-23	17	090S	230E	4304736941	15101	Federal	GW	P	
TU 14-9-7-22	09	070S	220E	4304737345	16811	Federal	GW	OPS	C
WF 14C-29-15-19	29	150S	190E	4304737541	15178	Indian	GW	P	
NBE 2ML-10-9-23	10	090S	230E	4304737619	15860	Federal	GW	P	
GB 16ML-20-8-22	20	080S	220E	4304737664	15948	Federal	GW	P	
WVX 8ML-5-8-22	05	080S	220E	4304738140		Federal	GW	APD	C
WVX 6ML-5-8-22	05	080S	220E	4304738141		Federal	GW	APD	C
WVX 1MU-17-8-21	17	080S	210E	4304738156		Federal	GW	APD	C
GH 8-20-8-21	20	080S	210E	4304738157		Federal	GW	APD	C
WVX 4MU-17-8-21	17	080S	210E	4304738190		Federal	GW	APD	C

Bonds: BLM = ESB000024

BIA = 956010693

State = 965010695

Questar Exploration Production Company (N5085) to QEP Energy Company (N3700)
effective June 14, 2010

well_name	sec	tpw	rng	api	entity	mineral lease	type	stat	C
WVX 16MU-18-8-21	18	080S	210E	4304738191		Federal	GW	APD	C
GH 7D-19-8-21	19	080S	210E	4304738267	16922	Federal	GW	P	
WF 8C-15-15-19	15	150S	190E	4304738405	17142	Indian	GW	OPS	C
WVX 1MU-18-8-21	18	080S	210E	4304738659		Federal	GW	APD	C
WVX 9MU-18-8-21	18	080S	210E	4304738660		Federal	GW	APD	C
GB 12SG-29-8-22	29	080S	220E	4304738766	16096	Federal	GW	S	
GB 10SG-30-8-22	30	080S	220E	4304738767	16143	Federal	GW	S	
FR 14P-20-14-20	20	140S	200E	4304739168	16179	Federal	GW	P	
SU 11M-8-7-22	08	070S	220E	4304739175		Federal	GW	APD	C
HB 2M-9-7-22	09	070S	220E	4304739176		Federal	GW	APD	C
SUMA 4M-20-7-22	20	070S	220E	4304739177		Federal	GW	APD	C
SU 16M-31-7-22	31	070S	220E	4304739178		Federal	GW	APD	C
FR 13P-20-14-20	20	140S	200E	4304739226	16719	Federal	GW	P	
SG 11BML-23-8-22	23	080S	220E	4304739230		Federal	GW	APD	C
SG 12DML-23-8-22	23	080S	220E	4304739231		Federal	GW	APD	C
GB 1CML-29-8-22	29	080S	220E	4304739232		Federal	GW	APD	C
NBE 8CD-10-9-23	10	090S	230E	4304739341	16513	Federal	GW	P	
NBE 15AD-10-9-23	10	090S	230E	4304739342		Federal	GW	APD	C
NBE 6DD-10-9-23	10	090S	230E	4304739343		Federal	GW	APD	C
NBE 6AD-10-9-23	10	090S	230E	4304739344		Federal	GW	APD	C
NBE 6BD-10-9-23	10	090S	230E	4304739345		Federal	GW	APD	C
NBE 5DD-10-9-23	10	090S	230E	4304739346	16574	Federal	GW	P	
NBE 7BD-17-9-23	17	090S	230E	4304739347		Federal	GW	APD	C
NBE 4DD-17-9-23	17	090S	230E	4304739348	16743	Federal	GW	P	
NBE 10CD-17-9-23	17	090S	230E	4304739349	16616	Federal	GW	P	
NBE 11CD-17-9-23	17	090S	230E	4304739350		Federal	GW	APD	C
NBE 8BD-26-9-23	26	090S	230E	4304739351	16617	Federal	GW	P	
NBE 3DD-26-9-23	26	090S	230E	4304739352		Federal	GW	APD	C
NBE 3CD-26-9-23	26	090S	230E	4304739353		Federal	GW	APD	C
NBE 7DD-26-9-23	26	090S	230E	4304739354		Federal	GW	APD	C
NBE 12AD-26-9-23	26	090S	230E	4304739355		Federal	GW	APD	C
NBE 5DD-26-9-23	26	090S	230E	4304739356		Federal	GW	APD	C
NBE 13AD-26-9-23	26	090S	230E	4304739357		Federal	GW	APD	C
NBE 14AD-26-9-23	26	090S	230E	4304739358		Federal	GW	APD	C
NBE 9CD-26-9-23	26	090S	230E	4304739359		Federal	GW	APD	C
FR 9P-20-14-20	20	140S	200E	4304739461	17025	Federal	GW	S	
FR 13P-17-14-20	17	140S	200E	4304739462		Federal	GW	APD	C
FR 9P-17-14-20	17	140S	200E	4304739463	16829	Federal	GW	P	
FR 10P-20-14-20	20	140S	200E	4304739465		Federal	GW	APD	C
FR 5P-17-14-20	17	140S	200E	4304739509		Federal	GW	APD	C
FR 15P-17-14-20	17	140S	200E	4304739510		Federal	GW	APD	C
FR 11P-20-14-20	20	140S	200E	4304739587		Federal	GW	APD	
FR 5P-20-14-20	20	140S	200E	4304739588		Federal	GW	APD	C
FR 9P-21-14-20	21	140S	200E	4304739589		Federal	GW	APD	C
FR 13P-21-14-20	21	140S	200E	4304739590		Federal	GW	APD	C
GB 7D-27-8-21	27	080S	210E	4304739661		Federal	GW	APD	C
GB 15D-27-8-21	27	080S	210E	4304739662	16830	Federal	GW	P	
WV 13D-23-8-21	23	080S	210E	4304739663	16813	Federal	GW	P	
WV 15D-23-8-21	23	080S	210E	4304739664	16924	Federal	GW	P	
FR 14P-17-14-20	17	140S	200E	4304739807		Federal	GW	APD	C
FR 12P-20-14-20	20	140S	200E	4304739808		Federal	GW	APD	C

Bonds: BLM = ESB000024

BIA = 956010693

State = 965010695

Questar Exploration Production Company (N5085) to QEP Energy Company (N3700)
effective June 14, 2010

well_name	sec	twp	rng	api	entity	mineral lease	type	stat	C
FR 6P-20-14-20	20	140S	200E	4304739809	16925	Federal	GW	P	
FR 3P-21-14-20	21	140S	200E	4304739810		Federal	GW	APD	C
FR 4P-21-14-20	21	140S	200E	4304739811	16771	Federal	GW	P	
FR 8P-21-14-20	21	140S	200E	4304739812		Federal	GW	APD	C
FR 15P-21-14-20	21	140S	200E	4304739815		Federal	GW	APD	C
FR 2P-20-14-20	20	140S	200E	4304740053		Federal	GW	APD	
FR 2P-21-14-20	21	140S	200E	4304740200		Federal	GW	APD	C
WV 11-23-8-21	23	080S	210E	4304740303		Federal	GW	APD	C
GB 12-27-8-21	27	080S	210E	4304740304		Federal	GW	APD	C
GH 11C-20-8-21	20	080S	210E	4304740352		Federal	GW	APD	C
GH 15A-20-8-21	20	080S	210E	4304740353		Federal	GW	APD	C
GH 10BD-21-8-21	21	080S	210E	4304740354		Federal	GW	APD	C
FR 11P-21-14-20	21	140S	200E	4304740366		Federal	GW	APD	C
MELANGE U 1	09	140S	200E	4304740399		Federal	GW	APD	C
OP 16G-12-7-20	12	070S	200E	4304740481	17527	Federal	OW	DRL	C
OP 4G-12-7-20	12	070S	200E	4304740482		Federal	OW	APD	C
WF 8D-21-15-19	21	150S	190E	4304740489		Indian	GW	APD	C
WF 15-21-15-19	21	150S	190E	4304740490		Indian	GW	APD	
WF 4D-22-15-19	22	150S	190E	4304740491		Indian	GW	APD	C

Bonds: BLM = ESB000024

BIA = 956010693

State = 965010695



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, UT 84145-0155

<http://www.blm.gov/ut/st/en.html>



IN REPLY REFER TO:

3100

(UT-922)

JUL 28 2010

Memorandum

To: Vernal Field Office, Price Field Office, Moab Field Office

From: Chief, Branch of Minerals

Roger L. Bankert

Subject: Name Change Recognized

Attached is a copy of the Certificate of Name Change issued by the Texas Secretary of State and a decision letter recognizing the name change from the Eastern States Office. We have updated our records to reflect the name change in the attached list of leases.

The name change from **Questar Exploration and Production Company** into **QEP Energy Company** is effective June 8, 2010.

cc: MMS
UDOGM

RECEIVED

AUG 16 2010

DIV. OF OIL, GAS & MINES

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING
 CDW

Change of Operator (Well Sold)

X - Operator Name Change

The operator of the well(s) listed below has changed, effective:

6/14/2010

FROM: (Old Operator): N5085-Questar Exploration and Production Company 1050 17th St, Suite 500 Denver, CO 80265 Phone: 1 (303) 308-3048	TO: (New Operator): N3700-QEP Energy Company 1050 17th St, Suite 500 Denver, CO 80265 Phone: 1 (303) 308-3048
--	--

CA No.

Unit:

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
SEE ATTACHED								

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 6/28/2010
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 6/28/2010
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/24/2010
- Is the new operator registered in the State of Utah: Business Number: 764611-0143
- (R649-9-2) Waste Management Plan has been received on: Requested
- Inspections of LA PA state/fee well sites complete on: n/a
- Reports current for Production/Disposition & Sundries on: ok
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 8/16/2010 BIA not yet
- Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: 8/16/2010
- Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
- Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 6/29/2010

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 6/30/2010
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 6/30/2010
- Bond information entered in RBDMS on: 6/30/2010
- Fee/State wells attached to bond in RBDMS on: 6/30/2010
- Injection Projects to new operator in RBDMS on: 6/30/2010
- Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: ESB000024
- Indian well(s) covered by Bond Number: 965010693
- (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 965010695
- The **FORMER** operator has requested a release of liability from their bond on: n/a

LEASE INTEREST OWNER NOTIFICATION:

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: See attached
2. NAME OF OPERATOR: Questar Exploration and Production Company <i>N5085</i>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: See attached
3. ADDRESS OF OPERATOR: 1050 17th Street, Suite 500 CITY Denver STATE CO ZIP 80265 PHONE NUMBER: (303) 672-6900		7. UNIT or CA AGREEMENT NAME: See attached
4. LOCATION OF WELL FOOTAGES AT SURFACE: See attached COUNTY: Attached QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: STATE: UTAH		8. WELL NAME and NUMBER: See attached
		9. API NUMBER: Attached
		10. FIELD AND POOL, OR WILDCAT: See attached

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>6/14/2010</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Operator Name Change</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective June 14, 2010 Questar Exploration and Production Company changed its name to QEP Energy Company. This name change involves only an internal corporate name change and no third party change of operator is involved. The same employees will continue to be responsible for operations of the properties described on the attached list. All operations will continue to be covered by bond numbers:

Federal Bond Number: 965002976 (BLM Reference No. ESB000024) *N3700*

Utah State Bond Number: ~~965003033~~

Fee Land Bond Number: ~~965003033~~ *965010695*

BIA Bond Number: ~~799446~~ *965010693*

The attached document is an all inclusive list of the wells operated by Questar Exploration and Production Company. As of June 14, 2010 QEP Energy Company assumes all rights, duties and obligations as operator of the properties as described on the list

NAME (PLEASE PRINT) <u>Morgan Anderson</u>	TITLE <u>Regulatory Affairs Analyst</u>
SIGNATURE <i>Morgan Anderson</i>	DATE <u>6/23/2010</u>

(This space for State use only)

RECEIVED

JUN 28 2010

DIV. OF OIL, GAS & MINING

(See Instructions on Reverse Side)

APPROVED *6/30/2009*

Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

Questar Exploration Production Company (N5085) to QEP Energy Company (N3700)
effective June 14, 2010

well_name	sec	tpw	rng	api	entity	mineral lease	type	stat	C
WEST RIVER BEND 3-12-10-15	12	100S	150E	4301331888	14542	Federal	OW	P	C
WEST RIVER BEND 16-17-10-17	17	100S	170E	4301332057	14543	Federal	OW	P	
WEST DESERT SPRING 11-20-10-17	20	100S	170E	4301332088	14545	Federal	OW	S	
GD 8G-35-9-15	35	090S	150E	4301333821		Federal	OW	APD	C
GD 9G-35-9-15	35	090S	150E	4301333822		Federal	OW	APD	C
GD 10G-35-9-15	35	090S	150E	4301333823		Federal	OW	APD	C
GD 11G-35-9-15	35	090S	150E	4301333824		Federal	OW	APD	C
GD 12G-35-9-15	35	090S	150E	4301333825		Federal	OW	APD	C
GD 13G-35-9-15	35	090S	150E	4301333826		Federal	OW	APD	C
GD 1G-34-9-15	34	090S	150E	4301333827	16920	Federal	OW	P	
GD 2G-34-9-15	34	090S	150E	4301333828		Federal	OW	APD	C
GD 7G-34-9-15	34	090S	150E	4301333829		Federal	OW	APD	C
GD 7G-35-9-15	35	090S	150E	4301333830		Federal	OW	APD	C
GD 14G-35-9-15	35	090S	150E	4301333831		Federal	OW	APD	C
GD 15G-35-9-15	35	090S	150E	4301333832		Federal	OW	APD	C
GD 16G-35-9-15	35	090S	150E	4301333833	16921	Federal	OW	P	
GD 1G-35-9-15	35	090S	150E	4301333834		Federal	OW	APD	C
GD 2G-35-9-15	35	090S	150E	4301333835		Federal	OW	APD	C
GD 3G-35-9-15	35	090S	150E	4301333836		Federal	OW	APD	C
GD 4G-35-9-15	35	090S	150E	4301333837		Federal	OW	APD	C
GD 5G-35-9-15	35	090S	150E	4301333838		Federal	OW	APD	C
GD 6G-35-9-15	35	090S	150E	4301333839		Federal	OW	APD	C
GD 8G-34-9-15	34	090S	150E	4301333840		Federal	OW	APD	C
GD 9G-34-9-15	34	090S	150E	4301333841		Federal	OW	APD	C
GD 10G-34-9-15	34	090S	150E	4301333842		Federal	OW	APD	C
GD 15G-34-9-15	34	090S	150E	4301333843		Federal	OW	APD	C
GD 16G-34-9-15	34	090S	150E	4301333844		Federal	OW	APD	C
GOVT 18-2	18	230S	170E	4301930679	2575	Federal	OW	P	
FEDERAL 2-29-7-22	29	070S	220E	4304715423	5266	Federal	GW	TA	
UTAH FED D-1	14	070S	240E	4304715936	10699	Federal	GW	S	
UTAH FED D-2	25	070S	240E	4304715937	9295	Federal	GW	S	
PRINCE 1	10	070S	240E	4304716199	7035	Federal	GW	P	
UTAH FED D-4	14	070S	240E	4304731215	9297	Federal	GW	S	
ISLAND UNIT 16	11	100S	180E	4304731505	1061	Federal	OW	S	
EAST COYOTE FED 14-4-8-25	04	080S	250E	4304732493	11630	Federal	OW	P	
PRINCE 4	03	070S	240E	4304732677	7035	Federal	OW	P	
GH 21 WG	21	080S	210E	4304732692	11819	Federal	GW	P	
OU SG 6-14-8-22	14	080S	220E	4304732746	11944	Federal	GW	S	
FLU KNOLLS FED 23-3	03	100S	180E	4304732754	12003	Federal	OW	P	
GH 22 WG	22	080S	210E	4304732818	12336	Federal	GW	P	
OU GB 12W-20-8-22	20	080S	220E	4304733249	13488	Federal	GW	P	
OU GB 15-18-8-22	18	080S	220E	4304733364	12690	Federal	GW	P	
OU GB 3W-17-8-22	17	080S	220E	4304733513	12950	Federal	GW	P	
OU GB 5W-17-8-22	17	080S	220E	4304733514	12873	Federal	GW	P	
WV 9W-8-8-22	08	080S	220E	4304733515	13395	Federal	GW	P	
OU GB 9W-18-8-22	18	080S	220E	4304733516	12997	Federal	GW	P	
OU GB 3W-20-8-22	20	080S	220E	4304733526	13514	Federal	GW	P	
OU GB 12W-30-8-22	30	080S	220E	4304733670	13380	Federal	GW	P	
WV 10W-8-8-22	08	080S	220E	4304733814	13450	Federal	GW	P	
GH 7W-21-8-21	21	080S	210E	4304733845	13050	Federal	GW	P	
GH 9W-21-8-21	21	080S	210E	4304733846	13074	Federal	GW	P	

Bonds: BLM = ESB000024

BIA = 956010693

State = 965010695

Questar Exploration Production Company (N5085) to QEP Energy Company (N3700)
effective June 14, 2010

well_name	sec	tpw	rng	api	entity	mineral lease	type	stat	C
GH 11W-21-8-21	21	080S	210E	4304733847	13049	Federal	GW	P	
GH 15W-21-8-21	21	080S	210E	4304733848	13051	Federal	GW	P	
WV 2W-9-8-21	09	080S	210E	4304733905	13676	Federal	GW	P	
WV 7W-22-8-21	22	080S	210E	4304733907	13230	Federal	GW	P	
WV 9W-23-8-21	23	080S	210E	4304733909	13160	Federal	GW	P	
GH 14W-20-8-21	20	080S	210E	4304733915	13073	Federal	GW	P	
OU GB 4W-30-8-22	30	080S	220E	4304733945	13372	Federal	GW	P	
OU GB 9W-19-8-22	19	080S	220E	4304733946	13393	Federal	GW	P	
OU GB 10W-30-8-22	30	080S	220E	4304733947	13389	Federal	GW	P	
OU GB 12W-19-8-22	19	080S	220E	4304733948	13388	Federal	GW	P	
GB 9W-25-8-21	25	080S	210E	4304733960	13390	Federal	GW	P	
SU 1W-5-8-22	05	080S	220E	4304733985	13369	Federal	GW	P	
SU 3W-5-8-22	05	080S	220E	4304733987	13321	Federal	OW	S	
SU 7W-5-8-22	05	080S	220E	4304733988	13235	Federal	GW	P	
SU 9W-5-8-22	05	080S	220E	4304733990	13238	Federal	GW	P	
SU 13W-5-8-22	05	080S	220E	4304733994	13236	Federal	GW	TA	
SU 15W-5-8-22	05	080S	220E	4304733996	13240	Federal	GW	P	
WV 8W-8-8-22	08	080S	220E	4304734005	13320	Federal	GW	P	
WV 14W-8-8-22	08	080S	220E	4304734007	13322	Federal	GW	S	
OU GB 6W-20-8-22	20	080S	220E	4304734018	13518	Federal	GW	P	
OU GB 5W-30-8-22	30	080S	220E	4304734025	13502	Federal	GW	P	
OU GB 11W-20-8-22	20	080S	220E	4304734039	13413	Federal	GW	P	
OU GB 4W-20-8-22	20	080S	220E	4304734043	13520	Federal	GW	P	
GH 5W-21-8-21	21	080S	210E	4304734147	13387	Federal	GW	P	
GH 6W-21-8-21	21	080S	210E	4304734148	13371	Federal	GW	P	
GH 8W-21-8-21	21	080S	210E	4304734149	13293	Federal	GW	P	
GH 10W-20-8-21	20	080S	210E	4304734151	13328	Federal	GW	P	
GH 10W-21-8-21	21	080S	210E	4304734152	13378	Federal	GW	P	
GH 12W-21-8-21	21	080S	210E	4304734153	13294	Federal	GW	P	
GH 14W-21-8-21	21	080S	210E	4304734154	13292	Federal	GW	P	
GH 16W-21-8-21	21	080S	210E	4304734157	13329	Federal	GW	P	
WV 2W-3-8-21	03	080S	210E	4304734207	13677	Federal	GW	P	
OU GB 5W-20-8-22	20	080S	220E	4304734209	13414	Federal	GW	P	
WV 6W-22-8-21	22	080S	210E	4304734272	13379	Federal	GW	P	
GH 1W-20-8-21	20	080S	210E	4304734327	13451	Federal	GW	P	
GH 2W-20-8-21	20	080S	210E	4304734328	13527	Federal	GW	P	
GH 3W-20-8-21	20	080S	210E	4304734329	13728	Federal	GW	P	
GH 7W-20-8-21	20	080S	210E	4304734332	13537	Federal	GW	P	
GH 9W-20-8-21	20	080S	210E	4304734333	13411	Federal	GW	P	
GH 11W-20-8-21	20	080S	210E	4304734334	13410	Federal	GW	P	
GH 15W-20-8-21	20	080S	210E	4304734335	13407	Federal	GW	P	
GH 16W-20-8-21	20	080S	210E	4304734336	13501	Federal	GW	P	
WV 12W-23-8-21	23	080S	210E	4304734343	13430	Federal	GW	P	
OU GB 13W-20-8-22	20	080S	220E	4304734348	13495	Federal	GW	P	
OU GB 14W-20-8-22	20	080S	220E	4304734349	13507	Federal	GW	P	
OU GB 11W-29-8-22	29	080S	220E	4304734350	13526	Federal	GW	P	
SU PURDY 14M-30-7-22	30	070S	220E	4304734384	13750	Federal	GW	S	
WVX 11G-5-8-22	05	080S	220E	4304734388	13422	Federal	OW	P	
WVX 13G-5-8-22	05	080S	220E	4304734389	13738	Federal	OW	P	
WVX 15G-5-8-22	05	080S	220E	4304734390	13459	Federal	OW	P	
SU BRENNAN W 15W-18-7-22	18	070S	220E	4304734403	13442	Federal	GW	TA	

Bonds: BLM = ESB000024

BIA = 956010693

State = 965010695

Questar Exploration Production Company (N5085) to QEP Energy Company (N3700)
effective June 14, 2010

well_name	sec	tpw	rng	api	entity	mineral lease	type	stat	C
SU 16W-5-8-22	05	080S	220E	4304734446	13654	Federal	GW	P	
SU 2W-5-8-22	05	080S	220E	4304734455	13700	Federal	GW	P	
SU 10W-5-8-22	05	080S	220E	4304734456	13540	Federal	GW	P	
WV 16W-8-8-22	08	080S	220E	4304734470	13508	Federal	GW	P	
OU GB 16WX-30-8-22	30	080S	220E	4304734506	13431	Federal	GW	P	
OU GB 1W-19-8-22	19	080S	220E	4304734512	13469	Federal	GW	P	
OU GB 2W-19-8-22	19	080S	220E	4304734513	13461	Federal	GW	P	
OU GB 5W-19-8-22	19	080S	220E	4304734514	13460	Federal	GW	P	
OU GB 7W-19-8-22	19	080S	220E	4304734515	13462	Federal	GW	P	
OU GB 8W-19-8-22	19	080S	220E	4304734516	13489	Federal	GW	P	
OU GB 11W-19-8-22	19	080S	220E	4304734517	13467	Federal	GW	P	
OU GB 16W-19-8-22	19	080S	220E	4304734522	13476	Federal	GW	P	
OU GB 1W-30-8-22	30	080S	220E	4304734528	13487	Federal	GW	S	
OU GB 3W-30-8-22	30	080S	220E	4304734529	13493	Federal	GW	P	
OU GB 6W-30-8-22	30	080S	220E	4304734530	13519	Federal	GW	P	
OU GB 7W-30-8-22	30	080S	220E	4304734531	13494	Federal	GW	P	
OU GB 8W-30-8-22	30	080S	220E	4304734532	13483	Federal	GW	P	
OU GB 9W-30-8-22	30	080S	220E	4304734533	13500	Federal	GW	P	
OU GB 6W-19-8-22	19	080S	220E	4304734534	13475	Federal	GW	P	
OU GB 10W-19-8-22	19	080S	220E	4304734535	13479	Federal	GW	P	
OU GB 13W-19-8-22	19	080S	220E	4304734536	13478	Federal	GW	P	
OU GB 14W-19-8-22	19	080S	220E	4304734537	13484	Federal	GW	P	
OU GB 15W-19-8-22	19	080S	220E	4304734538	13482	Federal	GW	P	
OU GB 12W-17-8-22	17	080S	220E	4304734542	13543	Federal	GW	P	
OU GB 6W-17-8-22	17	080S	220E	4304734543	13536	Federal	GW	P	
OU GB 13W-17-8-22	17	080S	220E	4304734544	13547	Federal	GW	P	
OU GB 6W-29-8-22	29	080S	220E	4304734545	13535	Federal	GW	P	
OU GB 3W-29-8-22	29	080S	220E	4304734546	13509	Federal	GW	P	
OU GB 13W-29-8-22	29	080S	220E	4304734547	13506	Federal	GW	P	
OU GB 4W-29-8-22	29	080S	220E	4304734548	13534	Federal	GW	P	
OU GB 5W-29-8-22	29	080S	220E	4304734549	13505	Federal	GW	P	
OU GB 14W-17-8-22	17	080S	220E	4304734550	13550	Federal	GW	P	
OU GB 11W-17-8-22	17	080S	220E	4304734553	13671	Federal	GW	P	
OU GB 14W-29-8-22	29	080S	220E	4304734554	13528	Federal	GW	P	
OU GB 2W-17-8-22	17	080S	220E	4304734559	13539	Federal	GW	P	
OU GB 7W-17-8-22	17	080S	220E	4304734560	13599	Federal	GW	P	
OU GB 16W-18-8-22	18	080S	220E	4304734563	13559	Federal	GW	P	
OU GB 1W-29-8-22	29	080S	220E	4304734573	13562	Federal	GW	P	
OU GB 7W-29-8-22	29	080S	220E	4304734574	13564	Federal	GW	P	
OU GB 8W-29-8-22	29	080S	220E	4304734575	13609	Federal	GW	S	
OU GB 9W-29-8-22	29	080S	220E	4304734576	13551	Federal	GW	P	
OU GB 10W-29-8-22	29	080S	220E	4304734577	13594	Federal	GW	P	
OU GB 15W-29-8-22	29	080S	220E	4304734578	13569	Federal	GW	P	
OU GB 2W-20-8-22	20	080S	220E	4304734599	13664	Federal	GW	P	
OU GB 2W-29-8-22	29	080S	220E	4304734600	13691	Federal	GW	P	
OU GB 15W-17-8-22	17	080S	220E	4304734601	13632	Federal	GW	P	
OU GB 16W-17-8-22	17	080S	220E	4304734602	13639	Federal	GW	P	
OU GB 16W-29-8-22	29	080S	220E	4304734603	13610	Federal	GW	P	
OU GB 1W-20-8-22	20	080S	220E	4304734604	13612	Federal	GW	P	
OU GB 1W-17-8-22	17	080S	220E	4304734623	13701	Federal	GW	P	
OU GB 9W-17-8-22	17	080S	220E	4304734624	13663	Federal	GW	P	

Bonds: BLM = ESB000024

BIA = 956010693

State = 965010695

Questar Exploration Production Company (N5085) to QEP Energy Company (N3700)
effective June 14, 2010

well_name	sec	tpw	rng	api	entity	mineral lease	type	stat	C
OU GB 10W-17-8-22	17	080S	220E	4304734625	13684	Federal	GW	P	
OU GB 9W-20-8-22	20	080S	220E	4304734630	13637	Federal	GW	P	
OU GB 10W-20-8-22	20	080S	220E	4304734631	13682	Federal	GW	P	
OU GB 15W-20-8-22	20	080S	220E	4304734632	13613	Federal	GW	P	
OU WIH 15MU-21-8-22	21	080S	220E	4304734634	13991	Federal	GW	P	
OU WIH 13W-21-8-22	21	080S	220E	4304734646	13745	Federal	GW	P	
OU GB 11W-15-8-22	15	080S	220E	4304734648	13822	Federal	GW	P	
OU GB 13W-9-8-22	09	080S	220E	4304734654	13706	Federal	GW	P	
OU WIH 14W-21-8-22	21	080S	220E	4304734664	13720	Federal	GW	P	
OU GB 12WX-29-8-22	29	080S	220E	4304734668	13555	Federal	GW	P	
OU WIH 10W-21-8-22	21	080S	220E	4304734681	13662	Federal	GW	P	
OU GB 4G-21-8-22	21	080S	220E	4304734685	13772	Federal	OW	P	
OU GB 3W-21-8-22	21	080S	220E	4304734686	13746	Federal	GW	P	
OU GB 16SG-30-8-22	30	080S	220E	4304734688	13593	Federal	GW	P	
OU WIH 7W-21-8-22	21	080S	220E	4304734689	13716	Federal	GW	P	
OU GB 5W-21-8-22	21	080S	220E	4304734690	13770	Federal	GW	P	
WIH 1MU-21-8-22	21	080S	220E	4304734693	14001	Federal	GW	P	
OU GB 5G-19-8-22	19	080S	220E	4304734695	13786	Federal	OW	P	
OU GB 7W-20-8-22	20	080S	220E	4304734705	13710	Federal	GW	P	
OU SG 14W-15-8-22	15	080S	220E	4304734710	13821	Federal	GW	P	
OU SG 15W-15-8-22	15	080S	220E	4304734711	13790	Federal	GW	P	
OU SG 16W-15-8-22	15	080S	220E	4304734712	13820	Federal	GW	P	
OU SG 4W-15-8-22	15	080S	220E	4304734713	13775	Federal	GW	P	
OU SG 12W-15-8-22	15	080S	220E	4304734714	13838	Federal	GW	P	
OU GB 5MU-15-8-22	15	080S	220E	4304734715	13900	Federal	GW	P	
OU SG 8W-15-8-22	15	080S	220E	4304734717	13819	Federal	GW	P	
OU SG 9W-15-8-22	15	080S	220E	4304734718	13773	Federal	GW	P	
OU SG 10W-15-8-22	15	080S	220E	4304734719	13722	Federal	GW	P	
OU SG 2MU-15-8-22	15	080S	220E	4304734721	13887	Federal	GW	P	
OU SG 7W-15-8-22	15	080S	220E	4304734722	13920	Federal	GW	P	
OU GB 14SG-29-8-22	29	080S	220E	4304734743	14034	Federal	GW	P	
OU GB 16SG-29-8-22	29	080S	220E	4304734744	13771	Federal	GW	P	
OU GB 13W-10-8-22	10	080S	220E	4304734754	13774	Federal	GW	P	
OU GB 6MU-21-8-22	21	080S	220E	4304734755	14012	Federal	GW	P	
OU SG 10W-10-8-22	10	080S	220E	4304734764	13751	Federal	GW	P	
OU GB 14M-10-8-22	10	080S	220E	4304734768	13849	Federal	GW	P	
OU SG 9W-10-8-22	10	080S	220E	4304734783	13725	Federal	GW	P	
OU SG 16W-10-8-22	10	080S	220E	4304734784	13781	Federal	GW	P	
SU BW 6M-7-7-22	07	070S	220E	4304734837	13966	Federal	GW	P	
GB 3M-27-8-21	27	080S	210E	4304734900	14614	Federal	GW	P	
WVX 11D-22-8-21	22	080S	210E	4304734902	14632	Federal	GW	P	
GB 11M-27-8-21	27	080S	210E	4304734952	13809	Federal	GW	P	
GB 9D-27-8-21	27	080S	210E	4304734956	14633	Federal	GW	P	
GB 1D-27-8-21	27	080S	210E	4304734957	14634	Federal	GW	P	
WRU EIH 2M-35-8-22	35	080S	220E	4304735052	13931	Federal	GW	P	
GH 12MU-20-8-21	20	080S	210E	4304735069	14129	Federal	GW	P	
OU SG 4W-11-8-22	11	080S	220E	4304735071	14814	Federal	GW	OPS	C
OU SG 5W-11-8-22	11	080S	220E	4304735072	14815	Federal	GW	OPS	C
SG 6ML-11-8-22	11	080S	220E	4304735073	14825	Federal	GW	P	
OU SG 5MU-14-8-22	14	080S	220E	4304735076	13989	Federal	GW	P	
OU SG 6MU-14-8-22	14	080S	220E	4304735077	14128	Federal	GW	P	

Bonds: BLM = ESB000024

BIA = 956010693

State = 965010695

Questar Exploration Production Company (N5085) to QEP Energy Company (N3700)
effective June 14, 2010

well_name	sec	tpw	rng	api	entity	mineral lease	type	stat	C
SG 12MU-14-8-22	14	080S	220E	4304735078	13921	Federal	GW	P	
OU SG 13MU-14-8-22	14	080S	220E	4304735079	13990	Federal	GW	P	
OU SG 9MU-11-8-22	11	080S	220E	4304735091	13967	Federal	GW	P	
SG 11SG-23-8-22	23	080S	220E	4304735099	13901	Federal	GW	TA	
OU SG 14W-11-8-22	11	080S	220E	4304735114	14797	Federal	GW	OPS	C
SG 5MU-23-8-22	23	080S	220E	4304735115	14368	Federal	GW	P	
SG 6MU-23-8-22	23	080S	220E	4304735116	14231	Federal	GW	P	
SG 14MU-23-8-22	23	080S	220E	4304735117	14069	Federal	GW	P	
SG 12MU-23-8-22	23	080S	220E	4304735188	14412	Federal	GW	P	
SG 13MU-23-8-22	23	080S	220E	4304735190	14103	Federal	GW	P	
WH 7G-10-7-24	10	070S	240E	4304735241	14002	Federal	GW	S	
GB 4D-28-8-21	28	080S	210E	4304735246	14645	Federal	GW	P	
GB 7M-28-8-21	28	080S	210E	4304735247	14432	Federal	GW	P	
GB 14M-28-8-21	28	080S	210E	4304735248	13992	Federal	GW	P	
SG 11MU-23-8-22	23	080S	220E	4304735257	13973	Federal	GW	P	
SG 15MU-14-8-22	14	080S	220E	4304735328	14338	Federal	GW	P	
EIHX 14MU-25-8-22	25	080S	220E	4304735330	14501	Federal	GW	P	
EIHX 11MU-25-8-22	25	080S	220E	4304735331	14470	Federal	GW	P	
NBE 12ML-10-9-23	10	090S	230E	4304735333	14260	Federal	GW	P	
NBE 13ML-17-9-23	17	090S	230E	4304735334	14000	Federal	GW	P	
NBE 4ML-26-9-23	26	090S	230E	4304735335	14215	Federal	GW	P	
SG 7MU-11-8-22	11	080S	220E	4304735374	14635	Federal	GW	S	
SG 1MU-11-8-22	11	080S	220E	4304735375	14279	Federal	GW	P	
OU SG 13W-11-8-22	11	080S	220E	4304735377	14796	Federal	GW	OPS	C
SG 3MU-11-8-22	11	080S	220E	4304735379	14978	Federal	GW	P	
SG 8MU-11-8-22	11	080S	220E	4304735380	14616	Federal	GW	P	
SG 2MU-11-8-22	11	080S	220E	4304735381	14636	Federal	GW	P	
SG 10MU-11-8-22	11	080S	220E	4304735382	14979	Federal	GW	P	
SU 11MU-9-8-21	09	080S	210E	4304735412	14143	Federal	GW	P	
OU GB 8MU-10-8-22	10	080S	220E	4304735422	15321	Federal	GW	OPS	C
EIHX 2MU-25-8-22	25	080S	220E	4304735427	14666	Federal	GW	P	
EIHX 1MU-25-8-22	25	080S	220E	4304735428	14705	Federal	GW	P	
EIHX 7MU-25-8-22	25	080S	220E	4304735429	14682	Federal	GW	P	
EIHX 8MU-25-8-22	25	080S	220E	4304735430	14706	Federal	GW	P	
EIHX 9MU-25-8-22	25	080S	220E	4304735433	14558	Federal	GW	P	
EIHX 16MU-25-8-22	25	080S	220E	4304735434	14502	Federal	GW	P	
EIHX 15MU-25-8-22	25	080S	220E	4304735435	14571	Federal	GW	P	
EIHX 10MU-25-8-22	25	080S	220E	4304735436	14537	Federal	GW	P	
GB 3MU-3-8-22	03	080S	220E	4304735457	14575	Federal	GW	P	
NBE 15M-17-9-23	17	090S	230E	4304735463	14423	Federal	GW	P	
NBE 7ML-17-9-23	17	090S	230E	4304735464	14232	Federal	GW	P	
NBE 3ML-17-9-23	17	090S	230E	4304735465	14276	Federal	GW	P	
NBE 11M-17-9-23	17	090S	230E	4304735466	14431	Federal	GW	P	
NBE 10ML-10-9-23	10	090S	230E	4304735650	14377	Federal	GW	P	
NBE 6ML-10-9-23	10	090S	230E	4304735651	14422	Federal	GW	P	
NBE 12ML-17-9-23	17	090S	230E	4304735652	14278	Federal	GW	P	
NBE 6ML-26-9-23	26	090S	230E	4304735664	14378	Federal	GW	P	
NBE 11ML-26-9-23	26	090S	230E	4304735665	14340	Federal	GW	P	
NBE 15ML-26-9-23	26	090S	230E	4304735666	14326	Federal	GW	P	
SG 4MU-23-8-22	23	080S	220E	4304735758	14380	Federal	GW	P	
SG 11MU-14-8-22	14	080S	220E	4304735829	14486	Federal	GW	P	

Bonds: BLM = ESB000024

BIA = 956010693

State = 965010695

Questar Exploration Production Company (N5085) to QEP Energy Company (N3700)
effective June 14, 2010

well_name	sec	tpw	rng	api	entity	mineral lease	type	stat	C
RB DS FED 1G-7-10-18	07	100S	180E	4304735932	14457	Federal	OW	S	
RB DS FED 14G-8-10-18	08	100S	180E	4304735933	14433	Federal	OW	P	
OU SG 14MU-14-8-22	14	080S	220E	4304735950	14479	Federal	GW	P	
COY 12ML-24-8-24	24	080S	240E	4304736039	14592	Federal	OW	P	
WIH 1AMU-21-8-22	21	080S	220E	4304736060	14980	Federal	GW	P	
SU 8M-12-7-21	12	070S	210E	4304736096	16610	Federal	GW	OPS	C
NBE 4ML-10-9-23	10	090S	230E	4304736098	15732	Federal	GW	P	
NBE 8ML-10-9-23	10	090S	230E	4304736099	15733	Federal	GW	P	
NBE 16ML-10-9-23	10	090S	230E	4304736100	14728	Federal	GW	S	
SUBW 14M-7-7-22	07	070S	220E	4304736136	15734	Federal	GW	P	
NBE 8ML-12-9-23	12	090S	230E	4304736143	15859	Federal	GW	S	
GB 16D-28-8-21	28	080S	210E	4304736260	14981	Federal	GW	P	
NBE 5ML-10-9-23	10	090S	230E	4304736353	15227	Federal	GW	P	
NBE 7ML-10-9-23	10	090S	230E	4304736355	15850	Federal	GW	P	
NBE 3ML-10-9-23	10	090S	230E	4304736356	15393	Federal	GW	P	
EIHX 4MU-36-8-22	36	080S	220E	4304736444	14875	Federal	GW	P	
EIHX 3MU-36-8-22	36	080S	220E	4304736445	14860	Federal	GW	P	
EIHX 2MU-36-8-22	36	080S	220E	4304736446	14840	Federal	GW	S	
EIHX 1MU-36-8-22	36	080S	220E	4304736447	14861	Federal	GW	P	
NBE 7ML-26-9-23	26	090S	230E	4304736587	16008	Federal	GW	P	
NBE 8ML-26-9-23	26	090S	230E	4304736588	15689	Federal	GW	P	
NBE 1ML-26-9-23	26	090S	230E	4304736589	15880	Federal	GW	P	
NBE 2ML-26-9-23	26	090S	230E	4304736590	15898	Federal	GW	S	
NBE 3ML-26-9-23	26	090S	230E	4304736591	15906	Federal	GW	P	
NBE 5ML-26-9-23	26	090S	230E	4304736592	15839	Federal	GW	P	
NBE 9ML-10-9-23	10	090S	230E	4304736593	15438	Federal	GW	P	
NBE 11ML-10-9-23	10	090S	230E	4304736594	15228	Federal	GW	P	
NBE 15ML-10-9-23	10	090S	230E	4304736595	15439	Federal	GW	P	
NBE 2ML-17-9-23	17	090S	230E	4304736614	15126	Federal	GW	P	
NBE 4ML-17-9-23	17	090S	230E	4304736615	15177	Federal	GW	P	
NBE 6ML-17-9-23	17	090S	230E	4304736616	15127	Federal	GW	S	
NBE 10ML-17-9-23	17	090S	230E	4304736617	15128	Federal	GW	P	
NBE 14ML-17-9-23	17	090S	230E	4304736618	15088	Federal	GW	P	
NBE 9ML-26-9-23	26	090S	230E	4304736619	15322	Federal	GW	P	
NBE 10D-26-9-23	26	090S	230E	4304736620	15975	Federal	GW	S	
NBE 12ML-26-9-23	26	090S	230E	4304736621	15840	Federal	GW	P	
NBE 13ML-26-9-23	26	090S	230E	4304736622	15690	Federal	GW	P	
NBE 14ML-26-9-23	26	090S	230E	4304736623	15262	Federal	GW	P	
NBE 16ML-26-9-23	26	090S	230E	4304736624	15735	Federal	GW	P	
WF 1P-1-15-19	06	150S	200E	4304736781	14862	Indian	GW	P	
SG 3MU-23-8-22	14	080S	220E	4304736940	15100	Federal	GW	P	
NBE 5ML-17-9-23	17	090S	230E	4304736941	15101	Federal	GW	P	
TU 14-9-7-22	09	070S	220E	4304737345	16811	Federal	GW	OPS	C
WF 14C-29-15-19	29	150S	190E	4304737541	15178	Indian	GW	P	
NBE 2ML-10-9-23	10	090S	230E	4304737619	15860	Federal	GW	P	
GB 16ML-20-8-22	20	080S	220E	4304737664	15948	Federal	GW	P	
WVX 8ML-5-8-22	05	080S	220E	4304738140		Federal	GW	APD	C
WVX 6ML-5-8-22	05	080S	220E	4304738141		Federal	GW	APD	C
WVX 1MU-17-8-21	17	080S	210E	4304738156		Federal	GW	APD	C
GH 8-20-8-21	20	080S	210E	4304738157		Federal	GW	APD	C
WVX 4MU-17-8-21	17	080S	210E	4304738190		Federal	GW	APD	C

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Questar Exploration Production Company (N5085) to QEP Energy Company (N3700)
effective June 14, 2010

well_name	sec	tpw	rng	api	entity	mineral lease	type	stat	C
WVX 16MU-18-8-21	18	080S	210E	4304738191		Federal	GW	APD	C
GH 7D-19-8-21	19	080S	210E	4304738267	16922	Federal	GW	P	
WF 8C-15-15-19	15	150S	190E	4304738405	17142	Indian	GW	OPS	C
WVX 1MU-18-8-21	18	080S	210E	4304738659		Federal	GW	APD	C
WVX 9MU-18-8-21	18	080S	210E	4304738660		Federal	GW	APD	C
GB 12SG-29-8-22	29	080S	220E	4304738766	16096	Federal	GW	S	
GB 10SG-30-8-22	30	080S	220E	4304738767	16143	Federal	GW	S	
FR 14P-20-14-20	20	140S	200E	4304739168	16179	Federal	GW	P	
SU 11M-8-7-22	08	070S	220E	4304739175		Federal	GW	APD	C
HB 2M-9-7-22	09	070S	220E	4304739176		Federal	GW	APD	C
SUMA 4M-20-7-22	20	070S	220E	4304739177		Federal	GW	APD	C
SU 16M-31-7-22	31	070S	220E	4304739178		Federal	GW	APD	C
FR 13P-20-14-20	20	140S	200E	4304739226	16719	Federal	GW	P	
SG 11BML-23-8-22	23	080S	220E	4304739230		Federal	GW	APD	C
SG 12DML-23-8-22	23	080S	220E	4304739231		Federal	GW	APD	C
GB 1CML-29-8-22	29	080S	220E	4304739232		Federal	GW	APD	C
NBE 8CD-10-9-23	10	090S	230E	4304739341	16513	Federal	GW	P	
NBE 15AD-10-9-23	10	090S	230E	4304739342		Federal	GW	APD	C
NBE 6DD-10-9-23	10	090S	230E	4304739343		Federal	GW	APD	C
NBE 6AD-10-9-23	10	090S	230E	4304739344		Federal	GW	APD	C
NBE 6BD-10-9-23	10	090S	230E	4304739345		Federal	GW	APD	C
NBE 5DD-10-9-23	10	090S	230E	4304739346	16574	Federal	GW	P	
NBE 7BD-17-9-23	17	090S	230E	4304739347		Federal	GW	APD	C
NBE 4DD-17-9-23	17	090S	230E	4304739348	16743	Federal	GW	P	
NBE 10CD-17-9-23	17	090S	230E	4304739349	16616	Federal	GW	P	
NBE 11CD-17-9-23	17	090S	230E	4304739350		Federal	GW	APD	C
NBE 8BD-26-9-23	26	090S	230E	4304739351	16617	Federal	GW	P	
NBE 3DD-26-9-23	26	090S	230E	4304739352		Federal	GW	APD	C
NBE 3CD-26-9-23	26	090S	230E	4304739353		Federal	GW	APD	C
NBE 7DD-26-9-23	26	090S	230E	4304739354		Federal	GW	APD	C
NBE 12AD-26-9-23	26	090S	230E	4304739355		Federal	GW	APD	C
NBE 5DD-26-9-23	26	090S	230E	4304739356		Federal	GW	APD	C
NBE 13AD-26-9-23	26	090S	230E	4304739357		Federal	GW	APD	C
NBE 14AD-26-9-23	26	090S	230E	4304739358		Federal	GW	APD	C
NBE 9CD-26-9-23	26	090S	230E	4304739359		Federal	GW	APD	C
FR 9P-20-14-20	20	140S	200E	4304739461	17025	Federal	GW	S	
FR 13P-17-14-20	17	140S	200E	4304739462		Federal	GW	APD	C
FR 9P-17-14-20	17	140S	200E	4304739463	16829	Federal	GW	P	
FR 10P-20-14-20	20	140S	200E	4304739465		Federal	GW	APD	C
FR 5P-17-14-20	17	140S	200E	4304739509		Federal	GW	APD	C
FR 15P-17-14-20	17	140S	200E	4304739510		Federal	GW	APD	C
FR 11P-20-14-20	20	140S	200E	4304739587		Federal	GW	APD	
FR 5P-20-14-20	20	140S	200E	4304739588		Federal	GW	APD	C
FR 9P-21-14-20	21	140S	200E	4304739589		Federal	GW	APD	C
FR 13P-21-14-20	21	140S	200E	4304739590		Federal	GW	APD	C
GB 7D-27-8-21	27	080S	210E	4304739661		Federal	GW	APD	C
GB 15D-27-8-21	27	080S	210E	4304739662	16830	Federal	GW	P	
WV 13D-23-8-21	23	080S	210E	4304739663	16813	Federal	GW	P	
WV 15D-23-8-21	23	080S	210E	4304739664	16924	Federal	GW	P	
FR 14P-17-14-20	17	140S	200E	4304739807		Federal	GW	APD	C
FR 12P-20-14-20	20	140S	200E	4304739808		Federal	GW	APD	C

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Questar Exploration Production Company (N5085) to QEP Energy Company (N3700)
effective June 14, 2010

well_name	sec	twp	rng	api	entity	mineral lease	type	stat	C
FR 6P-20-14-20	20	140S	200E	4304739809	16925	Federal	GW	P	
FR 3P-21-14-20	21	140S	200E	4304739810		Federal	GW	APD	C
FR 4P-21-14-20	21	140S	200E	4304739811	16771	Federal	GW	P	
FR 8P-21-14-20	21	140S	200E	4304739812		Federal	GW	APD	C
FR 15P-21-14-20	21	140S	200E	4304739815		Federal	GW	APD	C
FR 2P-20-14-20	20	140S	200E	4304740053		Federal	GW	APD	
FR 2P-21-14-20	21	140S	200E	4304740200		Federal	GW	APD	C
WV 11-23-8-21	23	080S	210E	4304740303		Federal	GW	APD	C
GB 12-27-8-21	27	080S	210E	4304740304		Federal	GW	APD	C
GH 11C-20-8-21	20	080S	210E	4304740352		Federal	GW	APD	C
GH 15A-20-8-21	20	080S	210E	4304740353		Federal	GW	APD	C
GH 10BD-21-8-21	21	080S	210E	4304740354		Federal	GW	APD	C
FR 11P-21-14-20	21	140S	200E	4304740366		Federal	GW	APD	C
MELANGE U 1	09	140S	200E	4304740399		Federal	GW	APD	C
OP 16G-12-7-20	12	070S	200E	4304740481	17527	Federal	OW	DRL	C
OP 4G-12-7-20	12	070S	200E	4304740482		Federal	OW	APD	C
WF 8D-21-15-19	21	150S	190E	4304740489		Indian	GW	APD	C
WF 15-21-15-19	21	150S	190E	4304740490		Indian	GW	APD	
WF 4D-22-15-19	22	150S	190E	4304740491		Indian	GW	APD	C

Bonds: BLM = ESB000024

BIA = 956010693

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United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, UT 84145-0155

<http://www.blm.gov/ut/st/en.html>



IN REPLY REFER TO:

3100

(UT-922)

JUL 28 2010

Memorandum

To: Vernal Field Office, Price Field Office, Moab Field Office

From: Chief, Branch of Minerals

Roger L. Bankert

Subject: Name Change Recognized

Attached is a copy of the Certificate of Name Change issued by the Texas Secretary of State and a decision letter recognizing the name change from the Eastern States Office. We have updated our records to reflect the name change in the attached list of leases.

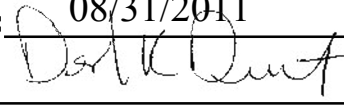
The name change from **Questar Exploration and Production Company** into **QEP Energy Company** is effective June 8, 2010.

cc: MMS
UDOGM

RECEIVED

AUG 16 2010

DIV. OF OIL, GAS & MINES

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-10164
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
2. NAME OF OPERATOR: QEP ENERGY COMPANY		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 11002 East 17500 South, Vernal, Ut, 84078		8. WELL NAME and NUMBER: FR 14P-20-14-20
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0758 FSL 1838 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 20 Township: 14.0S Range: 20.0E Meridian: S		9. API NUMBER: 43047391680000
9. FIELD and POOL or WILDCAT: FLAT ROCK		COUNTY: UINTAH
STATE: UTAH		
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 8/15/2011	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input checked="" type="checkbox"/> OTHER OTHER: Cleanout	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. QEP ENERGY COMPANY HEREBY SUBMITS THIS SUNDRY TO REQUEST APPROVAL TO PERFORM THE FOLLOWING WORK ON THE ABOVE CAPTIONED WELL: 1- POOH WITH TUBING 2- RIH WITH BAILER, CLEANOUT TO CIBP @ 11,727' 3- RIH WITH TUBING 4- RETURN TO PRODUCTION. WORK IS SCHEDULED TO START THE WEEK OF AUGUST 15, 2011. A SUBSEQUENT REPORT OF WORKOVER ON FORM 8 AND INCLUDED OPERATIONS SUMMARY REPORT WILL BE SUBMITTED UPON COMPLETION OF WORKOVER ACTIVITIES.		
Accepted by the Utah Division of Oil, Gas and Mining Date: <u>08/31/2011</u> By: <u></u>		
NAME (PLEASE PRINT) Valyn Davis		PHONE NUMBER 435 781-4369
SIGNATURE N/A		TITLE Regulatory Affairs Analyst
DATE 8/10/2011		

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-10164
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
2. NAME OF OPERATOR: QEP ENERGY COMPANY		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 11002 East 17500 South, Vernal, Ut, 84078		8. WELL NAME and NUMBER: FR 14P-20-14-20
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0758 FSL 1838 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 20 Township: 14.0S Range: 20.0E Meridian: S		9. API NUMBER: 43047391680000
9. FIELD and POOL or WILDCAT: FLAT ROCK		COUNTY: UINTAH
STATE: UTAH		
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 8/16/2011	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION	
<input type="checkbox"/> DRILLING REPORT Report Date:	OTHER: Wellbore Clean-out	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. QEP Energy Company completed the wellbore cleanout of the above referenced well, as detailed on the Notice of Intent sundry approved on 8/31/11. Daily drilling reports are attached to this sundry for details regarding the procedure. For technical questions please contact Kirk Fleetwood at 435-781-4341. For administrative questions, please contact me at the number below. Thanks.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY		
NAME (PLEASE PRINT) Morgan Anderson	PHONE NUMBER 303 308-3060	TITLE Regulatory Affairs Analyst
SIGNATURE N/A	DATE 10/5/2011	

QEP ENERGY

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Daily Completion Workover Report

Well Name: FR 14P-20-14-20 Date: 8/12/2011 Report: 1 DOL: 1.00
 Event Name: PRODUCTION RIG WORK Start: 8/12/2011 End: 8/16/2011

General Information

Location: 20- 14-S 20-E 27 Offshore: N Block:
 Country: UNITED STATES Slot:
 State/Prov: UTAH Spud Date: 5/28/2007
 County: UINTAH Well Type: DRY GAS
 Field: FLAT ROCK Well Status: FIRST SALES

Summary Information

Daily Cost: 9,114 Supervisor: CODY MCCLURE Final Report: N
 Cum. Cost: 9,113.50 Engineer: KIRK FLEETWOOD
 AFE #: LOE Pool:
 AFE Cost: 0 Zone:
 Interval: /

Daily Fluids

Daily Oil Hauled On: Cum: Oil in Surface Tanks:
 Daily H2O Hauled On: Cum: H2O in Surface Tanks:
 Daily Other Hauled On: Cum: Other in Surface Tanks:
 Daily Oil Hauled Off: Cum: Oil Remaining to Recover:
 Daily H2O Hauled Off: Cum: H2O Remaining to Recover:
 Daily Other Hauled Off: Cum: Other Remaining to Recover:
 Non Recoverable Annular Oil: Cum:
 Non Recoverable Annular H2O: Cum:
 Non Recoverable Annular Other: Cum:

Safety Information

Daily Inspection: Loss Control Incident:
 BOP Drill: N Weather Conditions: CLEAR @ 95 DEGREES
 Safety Meeting: N
 Gov't Inspection: N
 Last Casing Size: 4.500 (in) Grade:
 Last Casing Weight: (lb/ft) LOT EMW: (ppg)
 Set TMD: 12,100.0 (ft)

Operations Summary

From	To	Hours	Code	Subcode	Code 2	Phase	Description
05:30	07:00	1.50	TRAV	1			08/12/2011: TRAVEL TO RIG
07:00	10:30	3.50	LOC	3			ROAD RIG 50 MILES TO FR 14P-20-14-20
10:30	12:00	1.50	LOC	4			MIRU, SPOT IN EQUIPMENT
12:00	12:30	0.50	OTH				CHANGE EQUIPMENT OVER FOR 2 3/8 TBG , CHANGE PIPE RAMS T 2 3/8
12:30	13:00	0.50	WHD	2			BLD DOWN WELL, N.D. WELL HEAD , PULL HANGER ,
13:00	13:45	0.75	BOP	1			UNSET T.A.C. / N.U. BOPS , RIG UP FLOOR AND TBG EQUIPMENT

QEP ENERGY

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Daily Completion Workover Report

Well Name: FR 14P-20-14-20

Date: 8/12/2011 Report: 1

DOL: 1.00

Event Name: PRODUCTION RIG WORK

Start: 8/12/2011 End: 8/16/2011

Operations Summary

From	To	Hours	Code	Subcode	Code 2	Phase	Description
13:45	14:00	0.25	OTH				TIE BACK SINGLE LINE
14:00	14:30	0.50	LUN	1			TAKE LUNCH
14:30	18:30	4.00	TRP	2			P.O.O.H W/ 335 L-80 8RD TBG JTS , T.A.C , 3 L-80 8RD TBG JTS , F-NIPPLE @ STAND 151 PULLED WET TO THE F- NIPPLE , LAST JT FULL OF SAND SWIFWE
18:30	20:30	2.00	TRAV	1			TRAVEL TO TOWN

Current Status: MIRU

24hr Summary:

24hr Forecast: RIH W/ BAILER

Printed: 10/3/2011 1:12:06 PM

RECEIVED Oct. 05, 2011

QEP ENERGY

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Daily Completion Workover Report

Well Name: FR 14P-20-14-20 Date: 8/15/2011 Report: 2 DOL: 2.00
 Event Name: PRODUCTION RIG WORK Start: 8/12/2011 End: 8/16/2011

General Information

Location: 20- 14-S 20-E 27 Offshore: N Block:
 Country: UNITED STATES Slot:
 State/Prov: UTAH Spud Date: 5/28/2007
 County: UINTAH Well Type: DRY GAS
 Field: FLAT ROCK Well Status: FIRST SALES

Summary Information

Daily Cost: 11,147 Supervisor: CODY MCCLURE Final Report: N
 Cum. Cost: 20,260.20 Engineer: KIRK FLEETWOOD
 AFE #: LOE Pool:
 AFE Cost: 0 Zone:
 Interval: /

Daily Fluids

Daily Oil Hauled On: Cum: Oil in Surface Tanks:
 Daily H2O Hauled On: Cum: H2O in Surface Tanks:
 Daily Other Hauled On: Cum: Other in Surface Tanks:
 Daily Oil Hauled Off: Cum: Oil Remaining to Recover:
 Daily H2O Hauled Off: Cum: H2O Remaining to Recover:
 Daily Other Hauled Off: Cum: Other Remaining to Recover:
 Non Recoverable Annular Oil: Cum:
 Non Recoverable Annular H2O: Cum:
 Non Recoverable Annular Other: Cum:

Safety Information

Daily Inspection: Loss Control Incident:
 BOP Drill: N Weather Conditions: CLEAR @ 95 DEGREES
 Safety Meeting: N
 Gov't Inspection: N
 Last Casing Size: 4.500 (in) Grade:
 Last Casing Weight: (lb/ft) LOT EMW: (ppg)
 Set TMD: 12,100.0 (ft)

Operations Summary

From	To	Hours	Code	Subcode	Code 2	Phase	Description
04:30	07:00	2.50	TRAV	1			08/15/2011: TRAVEL TO LOCATION
07:00	07:15	0.25	OTH				SAFETY MEETING : CHECK PRESSURE , FCP= 25 PSI
07:15	11:00	3.75	TRP	2			MAKE , MILL , FLAPPER, FLAPPER, 10 L-80 TBG JTS, SAFETY, BAILER , FLAPPER, 1 JT, DRAIN SUB, 348 L-80 TBG JTS TAGGED SAND @ 11698'
11:00	13:30	2.50	DRL	5			WORK BAILER TO CLEAN OUT SAND , CLEAN OUT FROM 11698' TO 11727' CLEAN OUT 29' LAYED DOWN 4 JTS

QEP ENERGY

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Daily Completion Workover Report

Well Name: FR 14P-20-14-20

Date: 8/15/2011

Report: 2

DOL: 2.00

Event Name: PRODUCTION RIG WORK

Start: 8/12/2011

End: 8/16/2011

Operations Summary

From	To	Hours	Code	Subcode	Code 2	Phase	Description
13:30	14:00	0.50	LUN	1			TAKE LUNCH
14:00	17:30	3.50	TRP	2			P.O.O.H W/ 345 JTS , DRAIN SUB, 1 JT , FLAPPER , BAILER, SAFETY, 10 JTS FLAPPER, FLAPPER, MILL, / 4 JTS FULL OF SAND , CAUGHT SAMPLE, SWIFN
17:30	20:00	2.50	TRAV	1			TRAVEL TO TOWN

Current Status: MAKE UP AND RIH W/ BAILER EQUIPMENT

24hr Summary:

24hr Forecast: RIH W/ PRODUCTION

QEP ENERGY

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Daily Completion Workover Report

Well Name: FR 14P-20-14-20 Date: 8/16/2011 Report: 3 DOL: 3.00
 Event Name: PRODUCTION RIG WORK Start: 8/12/2011 End: 8/16/2011

General Information

Location: 20- 14-S 20-E 27 Offshore: N Block:
 Country: UNITED STATES Slot:
 State/Prov: UTAH Spud Date: 5/28/2007
 County: UINTAH Well Type: DRY GAS
 Field: FLAT ROCK Well Status: FIRST SALES

Summary Information

Daily Cost: 4,159 Supervisor: CODY MCCLURE Final Report: Y
 Cum. Cost: 24,419.20 Engineer: KIRK FLEETWOOD
 AFE #: LOE Pool:
 AFE Cost: 0 Zone:
 Interval: /

Daily Fluids

Daily Oil Hauled On: Cum: Oil in Surface Tanks:
 Daily H2O Hauled On: Cum: H2O in Surface Tanks:
 Daily Other Hauled On: Cum: Other in Surface Tanks:
 Daily Oil Hauled Off: Cum: Oil Remaining to Recover:
 Daily H2O Hauled Off: Cum: H2O Remaining to Recover:
 Daily Other Hauled Off: Cum: Other Remaining to Recover:
 Non Recoverable Annular Oil: Cum:
 Non Recoverable Annular H2O: Cum:
 Non Recoverable Annular Other: Cum:

Safety Information

Daily Inspection: Loss Control Incident:
 BOP Drill: N Weather Conditions: CLEAR @ 95 DEGREES
 Safety Meeting: N
 Gov't Inspection: N
 Last Casing Size: 4.500 (in) Grade:
 Last Casing Weight: (lb/ft) LOT EMW: (ppg)
 Set TMD: 12,100.0 (ft)

Operations Summary

From	To	Hours	Code	Subcode	Code 2	Phase	Description
04:30	07:00	2.50	TRAV	1			08/16/11: TRAVEL TO LOCATION
07:00	07:15	0.25	OTH				SAFETY MEETING: CHECK PRESSURE: FCP =25 PSI
07:15	10:45	3.50	TRP	2			RIH W/ 2 3/8 COLLAR/ F- NIPPLE, 3 L-80 TBG JTS, T.A.C. 353 L-80 8RD TBG EOT @ 11606 / T.A.C @ 11508' / F- NIPPLE 11605'
10:45	11:15	0.50	BOP	1			R.D. FLOOR AND TBG EQUIPMENT / N.D. BOPS , SET TAC W/ 2'
11:15	11:45	0.50	WHD	1			STRECH N.U. WELL HEAD AND RELATIVE EQUIPMENT

QEP ENERGY

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Daily Completion Workover Report

Well Name: FR 14P-20-14-20

Date: 8/16/2011

Report: 3

DOL: 3.00

Event Name: PRODUCTION RIG WORK

Start: 8/12/2011

End: 8/16/2011

Operations Summary

From	To	Hours	Code	Subcode	Code 2	Phase	Description
11:45	13:00	1.25	LOC	4			RDMO: RACK OUT EQUIPMENT

Current Status: RIH W/ PRODUCTION

24hr Summary:

24hr Forecast: RDMO: FINAL REPORT

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-10164
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Gas Well		8. WELL NAME and NUMBER: FR 14P-20-14-20
2. NAME OF OPERATOR: QEP ENERGY COMPANY		9. API NUMBER: 43047391680000
3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, Ut, 84078		9. FIELD and POOL or WILDCAT: FLAT ROCK
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0758 FSL 1838 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 20 Township: 14.0S Range: 20.0E Meridian: S		COUNTY: UINTAH
		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 10/29/2011	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input checked="" type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. THE ABOVE CAPTIONED WELL RETURNED TO PRODUCTION ON 10/29/2011.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY		
NAME (PLEASE PRINT) Valyn Davis	PHONE NUMBER 435 781-4369	TITLE Regulatory Affairs Analyst
SIGNATURE N/A	DATE 10/31/2011	